Digital Camera

4.1 MEGAPIXEL

User's Manual

SYSTEM REQUIREMENTS

Pentium 200MHz or higher

- Windows 98/98SE/2000 Prof./Me/XP
- 64 MB RAM or higher
- 110MB free memory capacity
- VGA color monitor
- CD ROM drive (4x or higher)
- USB port

SYSTEM REQUIREMENTS

IMac, iBook,G3 blue & white series, G4 series

- MacOS 8.6/9/9.0.2/if possible, 9.0.4
- 32 MB RAM or higher
- 110MB free memory capacity
- VGA color monitor
- CD ROM drive
- USB port

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Thank you for purchasing the MEDION 4.1 Mega Pixel Digital Camera.

Please take the time to read through this instruction manual so you can enjoy all its features.

CE

This mark on your camera certifies that this camera meets the requirements of the EU (European Union) concerning interference causing equipment regulations. CE stands for Conformité Européenne (European Conformity).

Digital Camera
MD9721
FC Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference recieved, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Do not remove the ferrite cores from the cables.

FOR PROPER AND SAFE USE

Read and understand all warnings and cautions before using this product.

⚠ WARNING

Batteries may become hot or explode due to improper use.

- Use only the batteries specified in this instruction manual.
- Do not install the batteries with the polarity (+/-) reversed.
- Do not subject batteries to fire or high temperatures.
- Do not attempt to recharge, short, or disassemble.
- Do not mix batteries of different types, brands, or ages.
- Follow local regulations for battery disposal.

Immediately remove the batteries and discontinue use if...

- the camera is dropped or subjected to an impact in which the interior is exposed.
- the product emits a strange smell, heat, or smoke.

Use caution, accidents may occur when using this product near young children. Keep batteries or things that could be swallowed away from young children.Contact a doctor immediately if an object is swallowed.

Do not expose the camera to liquids or moisture and avoid exposure to dust, heat and direct sunlight.

Do not walk while looking at the monitor.

Do not disassemble. Electric shock may occur if a high voltage circuit inside the camera is touched. Take your camera to a MEDION Service Facility when repairs are required.

⚠ CAUTION

The heat of the camera rises with extended periods of use. Use caution when handling the camera or removing the batteries and compact flash card.

BEFORE YOU BEGIN

Check the packing list before you begin. If some parts are missing, contact your camera dealer or a MEDION Service Facility.

- **MEDION 4.1 Mega Pixel Digital Camera (x 1)**
- **Video Cable (x 1)**
- **Wrist Strap (x 1)**
- **USB Connection Cable (x 1)**
- **64 MB (according to version) CompactFlash Card (x 1)**
- **Power Pack (x 1**)
- **Battery Charger (x 1)**
- **Documentation (Printed)**
- Installation and Application Software on CD-ROM
  (1 or 2 CD's according to version)
- Warranty Documentation

Note: When installing the software for your camera you may need to enter the serial number(s) printed on the CD or the CD sleeve. Before you start the installation, write these numbers down because the CD will not be accessible during installation. Store the serial numbers in a safe place.

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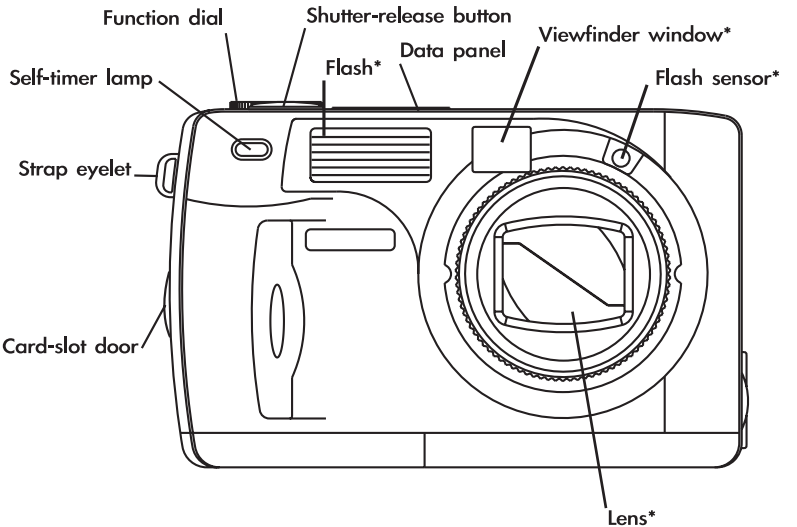
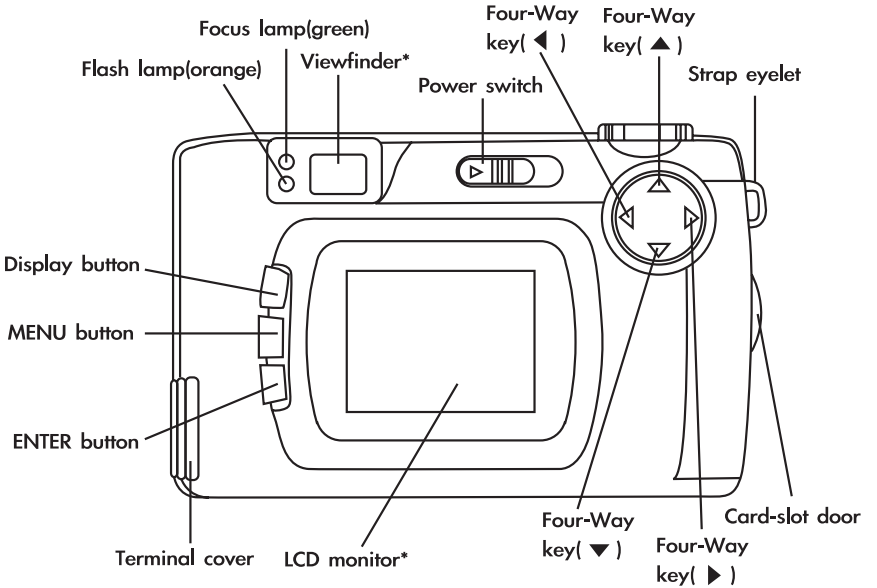
NAMES OF PARTS

CAMERA BODY

* Do not touch.

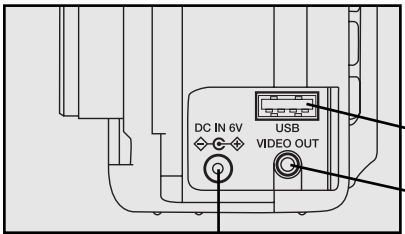


NAMES OF PARTS

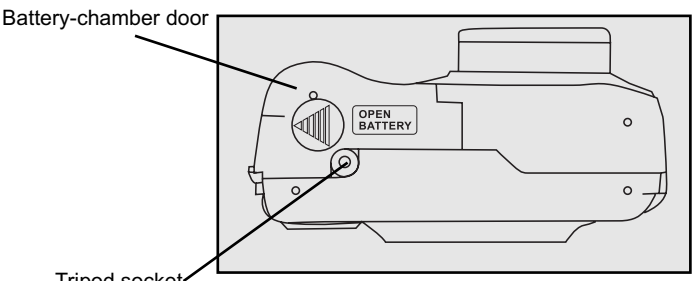


NAMES OF PARTS – CONT'D

INSIDE THE TERMINAL COVER



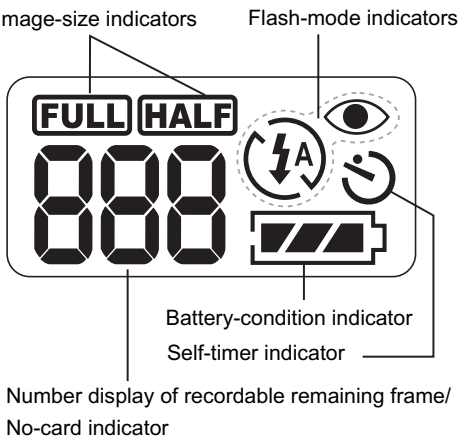
BOTTOM OF BODY



NAMES OF PARTS – CONT'D

DATA PANEL

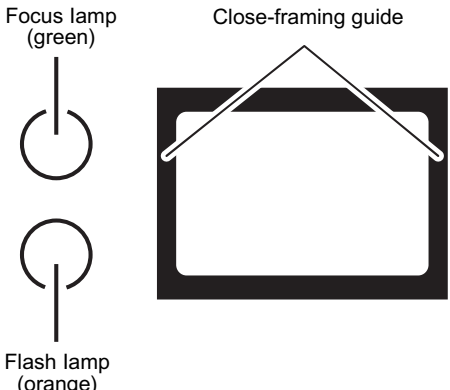
The following diagram shows all items displayed to aid the explanation.



* Refer to the number of recordable remaining frame as a guide.
The number changes depending on the scene or subject you record.

NAMES OF PARTS – CONT'D

VIEWFINDER



Close-framing guide

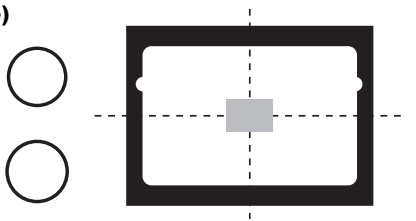
When you shoot a subject which is closer than 1m through the viewfinder, only the part under the close-framing guide is recorded. So, use the LCD monitor to check the image composition when you shoot a subject which is closer than 1m.

NAMES OF PARTS – CONT'D

Focus Lamp (Green)

Lights.	The focus is determined and locked.
Blinks quickly (about 8 times in a second).	The focus is not determined. (The subject contrast is too low, the subject is too dark or too close. Or the subject is too far in the close up mode.)
Blinks slowly (about 2 times in a second).	The image is being recorded in the CF (Compact Flash) card. The camera reads out the image from the CF card.

Focus Area (as a Guide)

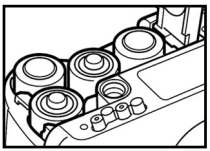


In the autofocus mode, the focus is adjusted at the gray part as shown in the figure.

Flash Lamp (Orange)

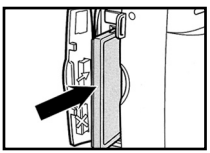
Lights.	The flash is ready to fire.
Blinks quickly when the shutter-release button is pressed all-the-way down (about 8 times in a second).	The flash is being charged. The shutter-release button is not released.
(When the flash function is cancelled) Blinks slowly (about 2 times in a second).	The shutter speed becomes slow. Taking a picture in this mode may cause an image blurred.

QUICK REFERENCES

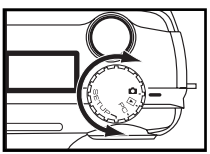


GETTING STARTED

1 Insert the batteries (see page 23).

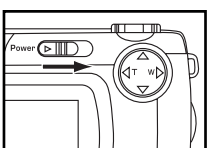


2 Insert the CF card (see page 27).



TAKING PICTURES – See page 31 for details.

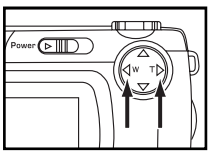
1 Rotate the function dial to 📷 .



2 Slide the power switch (don't hold it) to turn on the camera.

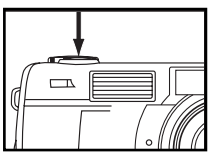
QUICK REFERENCES – CONT'D

3 Determine the image composition while looking into the LCD monitor or viewfinder.



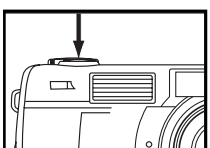
4 Adjust the image range and size with the four-way keys (▶ / ◀).

- When the ▶ key is pressed, the image size becomes large.
- When the ◀ key is pressed, the image range becomes wide.



5 Press the shutter-release button part-way down.

- When the image is focused, the focus lamp (green) lights up.

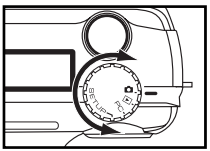


6 Press the shutter-release button all-the-way down to take the picture.

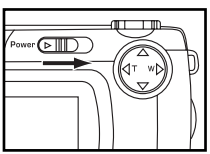
- The captured image is displayed on the LCD monitor.
- While the captured image is recorded in the CF card, the focus lamp (green) blinks slowly (about 2 times in a second).

QUICK REFERENCES – CONT'D

MONITORING THE CAPTURED IMAGES – See page 77 for details.

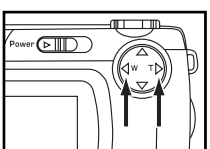


1 Rotate the function dial to ▶ .



2 Slide the power switch to turn on the camera.

• The latest image (which was recorded last) is displayed on the LCD monitor.

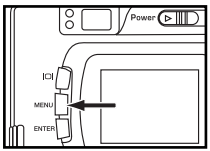


3 When the ▶ or ◀ key is pressed, the image changes to the next or previous one respectively.

QUICK REFERENCES – CONT'D

DELETING IMAGES – See page 87 for details.

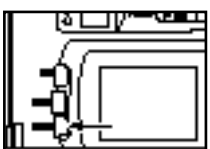
1 Display the image to be deleted on the LCD monitor by performing steps 1 to 3 of "MONITORING THE CAPTURED IMAGES" described on the previous page.



2 Press the MENU button.

- The playback mode menu is displayed on the LCD monitor.

3 After confirming that [SELECTED IMAGE] is highlighted, press the ▶ key



4 When the desired image is highlighted, press the DISPLAY button. Then press the ENTER button to delete the image.

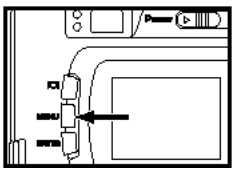
Continued on Next Page

QUICK REFERENCES - CONT'D

The image to be deleted is displayed on the LCD monitor and a prompt to confirm whether you want to delete the image or not appears as shown in the figure.

5. Press the key ▼ so that [YES] is highlighted and press the ▶ key.

- The image displayed on the LCD monitor in step **1** is deleted.
- The LCD monitor display returns to the Delete selected images menu.

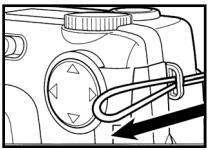


6. Press the MENU button twice.

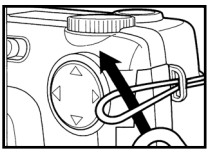
- The LCD monitor display returns to the playback mode.

PREPARATION

ATTACHING THE HAND STRAP



1 **Insert the smaller loop of the hand strap through the strap eyelet.**

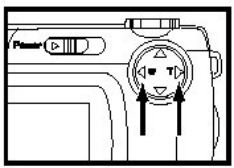


2 **Insert the other end of the hand strap through the small loop.**

INSERTING THE BATTERIES

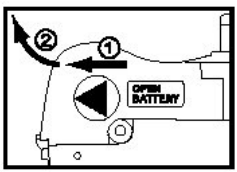
This camera uses four AA-size (1.5v) alkaline or Ni-MH batteries.

- When using Ni-MH batteries, fully recharge them with a vendor-endorsed battery charger.
- Be careful when removing batteries from the camera as the batteries generate heat when the camera is operated.

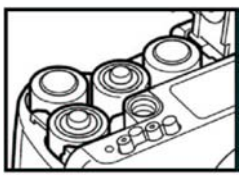


1 When replacing the batteries, slide the power switch to turn off the camera.

* You may skip this step when inserting the batteries for the first time after a purchase.

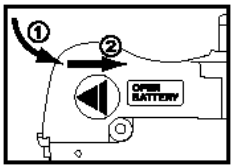


2 Slide the battery-chamber door slightly in the ① direction and open it in the ② direction.



3 Insert the batteries by following the +/- diagram indicated in front of the battery-chamber door.

INSERTING THE BATTERIES – CONT'D



4 Close the battery-chamber door in the direction of the arrow ① and slide it until it clicks ② .

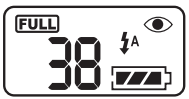
- After replacing the batteries, check that the built-in clock (date and time) works correctly (See page 119).

  If neither DC adapter nor batteries are used for more than 5 minutes, the built-in clock may delay or be reset to the default setting. In this case, reset the date and time by following the procedure described on page 119. This does not result in the loss of the images stored on the memory card.
- Do not place the camera with the battery-chamber door facing down when the battery-chamber door is open. Doing so may damage the battery-chamber door.
- As the batteries become hot right after the camera is operated, be careful when replacing the batteries.
- Old batteries should not be disposed of with domestic refuse. Please help protect the environment by disposing of used batteries properly. If necessary, contact our Customer Services department for information on proper disposal.

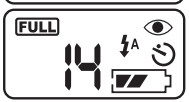
INSERTING THE BATTERIES – CONT'D

CHECKING THE BATTERY POWER

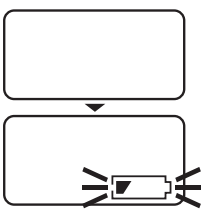
When the batteries are installed in the camera, the camera checks the battery power automatically and shows the result on the data panel.



Lights - The batteries are fully charged.



Lights - Prepare new batteries. The batteries are no longer fully charged, but the camera is completely functional.



All indicators go out and after that, blinks for 5 seconds and then, all indicators go out again.

- You must:
  - Replace all batteries with new ones.
  - Remove all batteries and use the DC adapter (sold separately, see page 26).

Taking a picture or playing back cannot be executed.

* When nothing is displayed on the data panel, check that the batteries are installed with a correct polarity (+/-). When nothing is displayed even though the batteries are installed correctly, replace the batteries with new ones.

INSERTING THE BATTERIES – CONT'D

AUTO POWER OFF

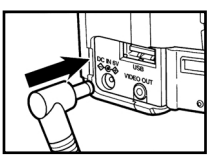
To save the battery power, the camera automatically turns off if left unused for more that 3 minutes. (Auto Power Off function)
To operate the camera, slide the power switch to turn on the camera again.

- When using the batteries, the time for the auto power off function can be changed to a minute, 5 minutes, 10 minutes or 30 minutes. See page 115 for details.
- When using the DC adapter, the camera will turn off automatically if it is not operated for more than 30 minutes. The time for the auto power off function is fixed at 30 minutes.

USING THE DC ADAPTER

We recommend you to use the AC adapter when using the camera indoor where the AC outlet supplies the power to the camera or when connecting the camera to the personal computer for editing the images.

Be sure to turn off the power of the camera when changing the power supply from the batteries to the DC adapter or vice versa. Do not change it when the power of the camera is turned on.



1 Connect the mini plug of the DC adapter to the DC terminal of the camera.

- The Shape of the mini plug may vary depending on the DC adapter.

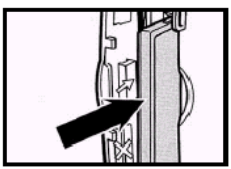
2 Connect the power plug of the DC adapter to an AC outlet.

INSERTING/REMOVING THE COMPACT FLASH(CF) CARD

Be sure to **turn off the power of the camera** when inserting or removing the CF card into or from the camera. Otherwise, the data in the card may be lost or the card may be damaged. If you insert or remove the CF card when the camera is turned on, re-format the CF card after transferring the data from the card to your computer if the data is safe.

INSERTING THE CF CARD

1 Open the card-slot door as shown in the figure.



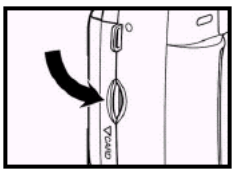
2 Insert the CF card into the card slot.

- Position the flat edge side of the card towards the camera lens and insert the card with the signal part facing down until the card stops.
- Insert the card straight. Do not insert it on an angle.
- If the card is stopped halfway, check the direction of the card. The card can be inserted in only one direction. Forcing the card into the slot may damage the card or the camera.

INSERTING/REMOVING THE COMPACT FLASH(CF) CARD

3 Fold the card-release lever down as shown in the figure.

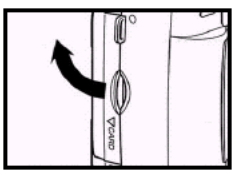
- Pushing the card all the way into the slot causes the lever to snap out.
- Be sure to fold the lever down. Otherwise, the card-slot door cannot be closed.



4 Close the card-slot door until it clicks.

- Always close the card slot door after insertion or removal of the CF card.

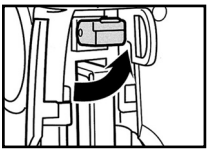
REMOVING THE CF CARD



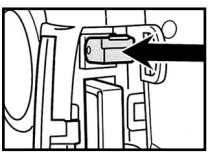
1 Confirm that the power of the camera is turned off.

2 Open the card-slot door as shown in the figure.

INSERTING/REMOVING THE COMPACT FLASH(CF) CARD

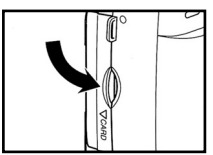


3 Lift the card-release lever up as shown in the figure.



4 Push in the card-release lever straight.

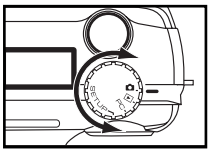
- As the CF card ejects slightly from the camera, pull out the card.
- Be careful with the card because it may be hot.
- Keep the CF card in the protection bag supplied with the card.



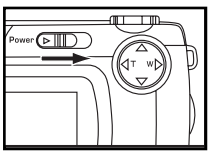
5 Close the card-slot door until it clicks.

TAKING PICTURES

BASIC RECORDING PROCEDURE



1 Rotate the function dial to 📷 .



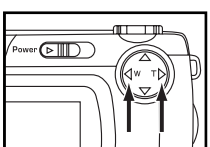
2 Slide the power switch to turn on the camera.

- The power switch returns to the initial position.

  When first powered on, the camera is in the recording mode and the initial setup for the LCD monitor is off. To turn on the LCD, DISP is pressed once.

3 Determine the image composition while looking into LCD monitor or viewfinder.

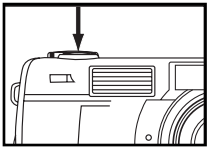
- When holding the camera, be sure not to cover the lens with your fingers or the camera strap.
- When the focus is not adjusted on the subject, use the focus lock function (see page 37).



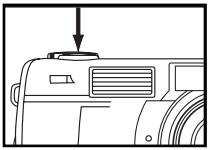
4 Adjust the image range and size with the ▶ / ◀ keys.

- Using ▶ causes, the image size to become large (Telephoto mode), and when the ◀ key is pressed, the image range becomes wide (Wide-angle mode).

BASIC RECORDING PROCEDURE – CONT'D



* When pressing the shutter-release button, there is a point where the button stops halfway. To press the shutter-released button to this point is described "Press part-way down" in this manual.



5 Press the shutter-release button part-way down.

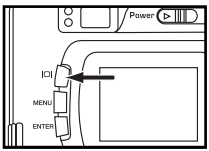
- The camera adjusts the focus automatically. When the subject is focused, the focus lamp (green) lights up.
- When the focus lamp (green) blinks, follow the operation from step **3** again.
- When the flash will fire, the flash lamp (orange) lights up.
- When the flash lamp (orange) blinks slowly (about 2 times in a second), the shutter speed becomes slow. Taking a picture in this mode may cause an image to be blurred. We recommend you to take pictures after fixing the camera on a tripod.

6 Press the shutter-release button the rest of the way down.

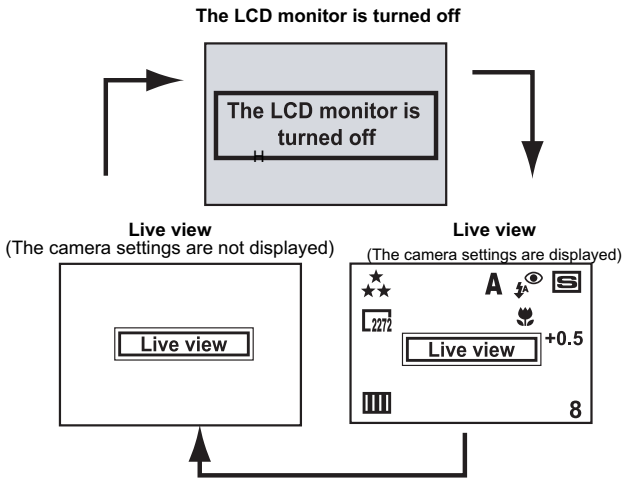
- If the flash lamp (orange) blinks when the shutter-release button is pressed all the way down, the flash is being charged. When the shutter-release button is kept pressed in this status, the shutter is released at the same time when the flash is charged.
- The captured image is displayed on the LCD monitor and is recorded in the CF card. While the image is recorded, the focus lamp (green) blinks slowly (about 2 times in a second) and "RECORDING" is displayed on the LCD monitor. Be sure not to open the battery-chamber door, disconnect the plug of the AC adapter or remove the CF card until the recording in the CF card is completed (until the focus lamp (green) and "RECORDING" goes away. Otherwise, the data in the CF card may be damaged or lost.

BASIC RECORDING PROCEDURE – CONT'D

THE RECORDING MODE DISPLAY ON THE LCD MONITOR



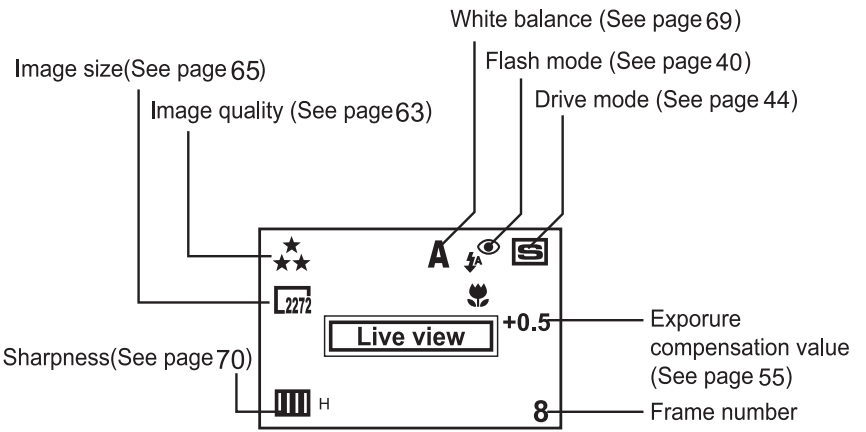
Each time the display button is pressed, the display on the LCD monitor changes in the following order.



BASIC RECORDING PROCEDURE – CONT'D

THE DISPLAY OF THE CAMERA SETTINGS

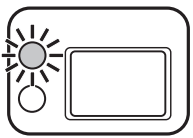
(For details, see the pages in parentheses)



ADJUSTING THE FOCUS

FOCUS LAMP

When the shutter-release button is pressed halfway, the camera adjusts the focus automatically and the focus lamp (green) shows the focus status (when the focus mode is set to the autofocus mode.)



Lights	The focus is determined and locked.
Blinks quickly (about 8 times in a second)	The focus is not determined. The shutter can be released.

When the focus lamp (green) blinks, check the following points:

- Did you attempt to focus on a subject which is difficult for the autofocus mode? (See page 36).
- Is the subject closer than the minimum focus distance (or farther than 40 cm in the close up mode)? (Refer to the following.)

FOCUS DISTANCE IN THE AUTOFOCUS MODE (Minimum Focus Distance)

The focus distance in the autofocus mode is described on the list below.
When the subject is closer than the minimum focus distance (0.4m) or farther than 40 cm in the close up mode, the focus lamp (green) blinks.

Standard mode	0.4m to ∞ (infinity)
Close up mode (Refer to page 53)	4 cm to 40 cm

ADJUSTING THE FOCUS – CONT'D

THE SUBJECT THAT IS DIFFICULT TO FOCUS IN THE AUTOFOCUS MODE

The autofocus mode uses the image contrast (the difference of light and dark parts) on the CCD (Charge Coupled Device) to focus. Therefore, autofocus mode may not be able to adjust correctly on some subjects (see examples below). In this case, use the focus lock function (see page 37) once you focus on another subject which is at the same distance as the subject you want to take the picture of, or use the manual focus mode (adjust the focus manually, see page 39).

The subject is too dark.

Some subjects at different distances overlap in the focus range.

The subject has no contrast such as a blue sky or a white wall.

The subject is too bright such as a shining car body or a surface of water.

ADJUSTING THE FOCUS–CONT'D

WHEN THE SUBJECT IS NOT IN THE CENTER OF THE FRAME (Focus Lock Function)

When the subject is not in the center of the frame, the camera adjusts the focus on the background. In this case, use the focus lock function to take the picture.

1 Aim the camera so that the subject is in the center of the frame and press the shutter-release button part-way down.

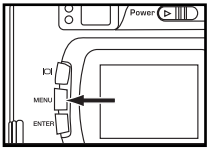
- The camera adjusts the focus automatically. When the focus is adjusted, the focus lamp (green) lights.

2 While you hold the shutter-release button part-way down, change the camera position to obtain the desired image composition and press the button all-the-way down to take a picture.

ADJUSTING THE FOCUS – CONT'D

ADJUSTING THE FOCUS MANUALLY (Manual Focus Mode)

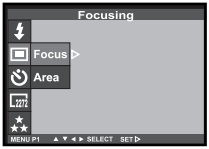
Adjust the focus with the ▲ or ▼ while looking into the LCD monitor.



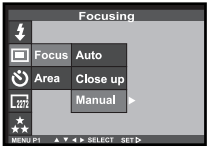
1 Rotate the function dial to 📷 and press the MENU button.

• The recording mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [FOCUSING] is highlighted and press the ► key.

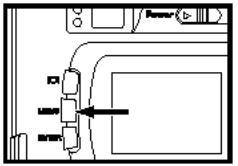


3 Press the ▲ or ▼ key so that [FOCUS] is highlighted and press the ► key.



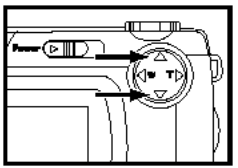
4 Press the ▲or ▼ key so that [MANUAL] is highlighted and press the ► key to finish the setting.

ADJUSTING THE FOCUS-CONT'D



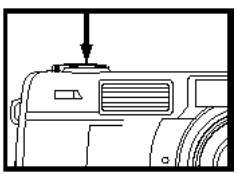
5. Press the MENU button.

- "MANUAL" is displayed on the upper right side of the LCD monitor and the display shows that the manual focus mode is selected.



6. Adjust the focus with the ▲ or ▼ key while looking into the LCD monitor.

- Adjust the focus so that the subject is displayed clearly on the LCD monitor.
- When the ▲ key is pressed, the focus position is moved to the long distance.
- When the ▼ key is pressed, the focus position is moved to the near distance.



7. Press the shutter-release button all-the-way down to take the picture.

- After taking a picture, the manual focus mode is not cancelled. The autofocus mode returns when the camera is turned off and on again.

FLASH

The built-in flash offers 5 operating modes that you can select according to your purpose or the conditions.

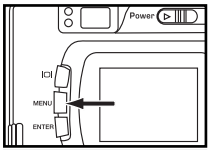
AUTOFLASH	The flash fires automatically when the light level is low or the subject is backlit.
FILL-FLASH	The flash fires every time a picture is taken regardless of the brightness. Select this mode to reduce the harsh shadows when you take the picture outdoor and the subject's face is shaded by something like a hat.
FLASH CANCEL	The flash does not fire. Select this mode when taking a picture in a location where flash photography is prohibited, such as in a museum.
AUTOFLASH WITH RED-EYE REDUCTION	The flash fires a short burst 2 times before the main flash burst to reduce the red-eye phenomenon. Select this mode when taking a picture of people or animals in the dark.
NIGHT MODE	The flash fires even in long shutter night mode, to get satisfied exposure on subject and background.

Flash Range

The range of the built-in flash is approximately 0.4 to 3m. The flash illuminates wide angle and telephoto shots.

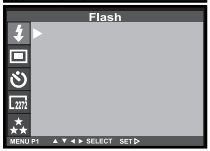
FLASH –CONT'D

SELECTING THE FLASH MODE

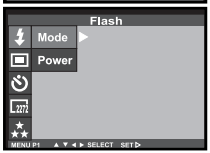


1 Rotate the function dial to 📷 and press the MENU button.

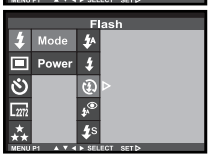
• The recording mode menu is displayed on the LCD monitor.



2 After confirming that [FLASH] is highlighted, press the ▶ key.



3 Press the ▲ or ▼ key so that [MODE] is highlighted and press the ▶ key.

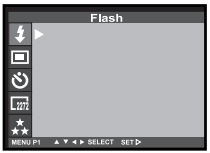


4 Press the ▲ or ▼ key so that the desired flash mode in highlighted and press the ▶ key to finish the setting.

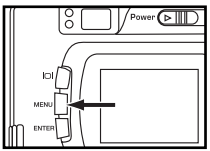
• The flash mode changes in the following order.

AUTOFLASH
▲ ▼
FILL-FLASH
▲ ▼
FLASH-CANCEL
▲ ▼
AUTOFLASH WITH RED-EYE REDUCTION
▲ ▼
NIGHT MODE

FLASH –CONT'D



5 Press the ▶ key.



6 Press the MENU button.

- The selected flash mode is displayed with the icon shown on the previous page on the upper right side of the LCD monitor (see page 34). However, when "AUTOFLASH" is selected, no icon appears and when "AUTOFLASH WITH RED-EYE REDUCTING" is selected, only ◉ appears.
- The flash mode returns to "AUTOFLASH WITH RED-EYE REDUCTION" when the camera is turned off and on again.

Flash Lamp

The flash lamp (orange) shows the flash status.

Lights	The flash is ready to fire.
Blinks quickly when the shutter-release button is pressed all the way down (about 8 times in a second).	The flash is being charged. The shutter-release button is not released.
Blinks slowly (when the flash function is cancelled, about 2 times a second).	The shutter speed becomes slow. Taking a picture in this mode may cause a blurred image. The flash function is cancelled when the flash mode is set to "FLASH CANCEL", this happens when the drive mode is set to burst image capture or when focus mode is set to close-up.

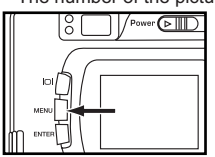
ADVANCED OPERATIONS

BURST IMAGE CAPTURE

This digital camera will continuously take pictures while the shutter-release button is held down. The flash is not available with this function. The maximum number of images that can be captured at a time:

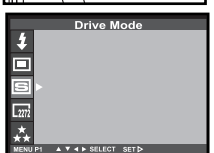
Image quality	The maximum number of the pictures (as a guide)	
	2272X1704 size	1600X1200 size
FINE (Fine)	about 2 pictures	about 6 pictures
STD. (Standard)	about 4 pictures	about 12 pictures
ECON. (Economy)	about 8 pictures	about 12 pictures

* See page 64 for the image quality and page 67 for the image size (2272X1704 or 1600X1200 or VGA size).
* The number of the pictures you can take sequentially described in the list above should be used as a guide.
  The number of the pictures you can actually record may vary depending upon to the scene or subject you record.



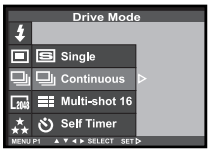
1 Rotate the function dial to 📷 and press the MENU button.

• The recording mode menu is displayed on the LCD monitor.

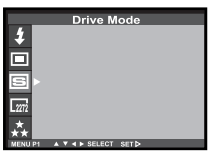


2 Press the ▲ or ▼ key so that [DRIVE MODE] is highlighted and press the ► key.

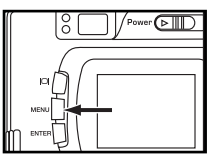
BURST IMAGE CAPTURE –CONT'D



3 Press the ▲ or ▼ key so that [Continuous] is highlighted and press ▶ key to finish the setting.



4 Press the ◀ key

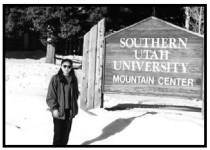


5 Press the MENU button.

- The continuous shot icon appears on the upper right side of the LCD monitor. (See page 34.)
- The flash mode is set to "FLASH CANCEL" automatically. When taking a continuous shot, the flash does not fire.
- When the single shot or the self-timer shot is selected, the flash mode returns to "AUTOFLASH WITH RED-EYE REDUCTION".

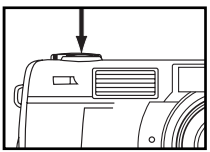
Continued on Next Page

BURST IMAGE CAPTURE –CONT'D

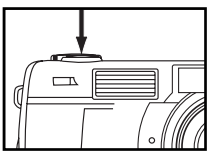


6 Determine the image composition while looking into LCD monitor or viewfinder and adjust the image range and size with the ▶ or ◀ key.

When the ▶ key is pressed, the image size becomes large (Telephoto mode), When the ◀ key is pressed, the image range becomes wide (Wide-angle mode).



7 Press the shutter-release button part-way down.

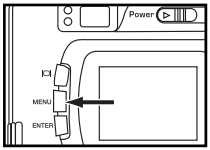


8 Press and hold the shutter-release button all-the–way down.

- When your finger is lifted from the shutter-release button or the maximum number of pictures are taken, the continuous shot is completed.
- When taking a continuous shot, the focus and exposure adjustments are determined when the shutter-release button is pressed part-way down and these adjustments are applied to all images in the continuous shot mode.
- Even after taking a sequence shot, the continuous shot mode capture is not cancelled. The single shot mode returns when the camera is turned off and on again.

SELF-TIMER

The picture is taken about 10 seconds after the shutter-release button is pressed.



1 After fixing the camera on the tripod, rotate the function dial to and press the MENU button.

• The recording mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [DRIVE MODE] is highlighted and press the ▶ key.

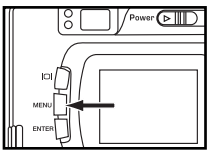
3 Press the ▲ or ▼ key so that [Self-Timer] is highlighted and use ▶ to finish the setting.

• The drive mode changes in the following order:

Single shot
▲ ▼
Continuous shot
▲ ▼
Multi-shot16
▲ ▼
Self-timer

SELF-TIMER – CONT'D

4 Press the ◄ key to go back the previous display.

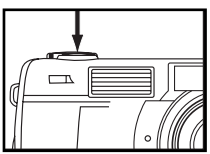


5 Press the MENU button.

- The self-timer shot icon appears on the upper right side of the LCD monitor.

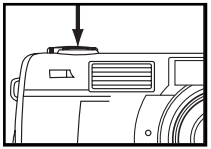
6 Determine the image composition while looking into LCD monitor or viewfinder and adjust the image range and size with the ▶ or ◄ key.

- When ▶ is pressed, the image size becomes large (Telephoto mode). When the key ◄ is pressed, the image range becomes wide (Wide-angle mode).



7 Press the shutter-release button part-way down.

SELF-TIMER – CONT'D



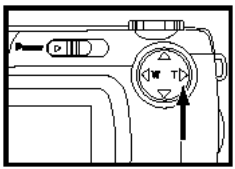
8 Press the shutter-release button all-the-way down to start timer.

- While the self-timer is functioning, the self-timer lamp on the front of the camera blinks. As the time to take the picture is closer, the lamp blinks faster. And just before taking the picture, the lamp lights up to show the time to take a shot.
- The beep sounds at the time when the lamp blinks. (The beep can be canceled with the menu in the SETUP mode.)
- When the subject is not in the center of the frame, use the focus lock function. (See page 37.)
- After taking the self-timer shot, the single-shot mode returns.

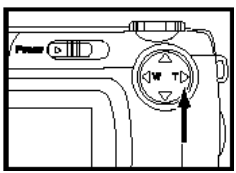
* Do not press the shutter-release button when standing in front of the camera. The camera cannot adjust the focus.
* To interrupt the self-timer shot, rotate the function dial to ▶ , PC or SETUP.

DIGITAL ZOOM

The digital zoom function can increase the maximum magnification (about 24 mm) of the optical zoom lens (114 mm in the 35 mm film format equivalent) up to 2 times. This is used to make a picture appear larger/closer-up than is possible through the maximum focal length of the zoom lens.

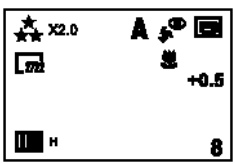


1. In the recording mode, press the ▶ key in the recording mode so that the image is zoomed to the maximum.



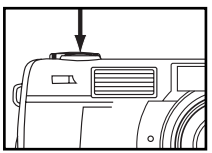
2. Press and hold the ▶ key for more than 2 seconds.

- The digital zoom function is set.
- The indicator that shows the image range appears on the LCD monitor as shown in the figure below, left.
- When the indicator appears, remove your finger from the ▶ key.
- The digital zoom functions only when the LCD monitor is turned on.

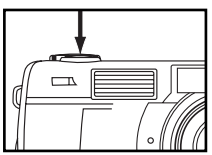


DIGITAL ZOOM – CONT'D

3 While looking into the LCD monitor, determine the image composition so that the desired image is positioned within the range of the indicator.



4 Press the shutter-release button part-way down.



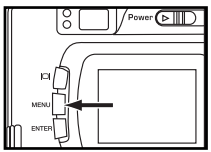
5 Press the shutter-release button all-the–way down to take a picture.

- The focus lock function can also be used (see page 37).
- Even after taking a picture the digital zoom is not cancelled. To cancel digital zoom function, press and hold ◄ key until the indicator disappears or turn the camera off and on again.

* The digital zoom function automatically switches to low resolution, 640 X 480 pixels. Therefore, the recorded image is smaller when displaying it on your computer or printing out. Use this function in exceptional cases or when you need low resolution photographs.

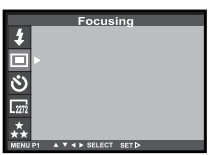
CLOSE UP

The close up function allows you to take a picture close to the subject, up to 4 cm filling the frame with the subject in about 6 cm x 4 cm.



1 Rotate the function dial to and press the MENU button.

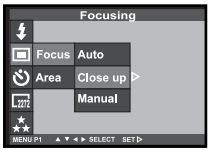
• The recording mode menu is displayed on the LCD monitor.



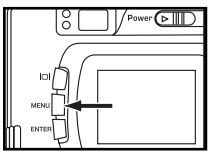
2 Press the ▲ or ▼ key so that [FOCUSING] is highlighted and press the ▶ key.

3 Press the ▲ or ▼ key so that [FOCUS] is highlighted and press the ▶ key.

CLOSE UP – CONT'D



4 Press the ▲ or ▼ key so that [CLOSE UP] is highlighted and press the ▶ key to finish the setting.



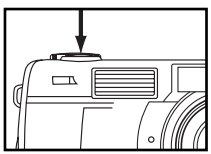
5 Press the MENU button.

- is displayed on the upper right side of the LCD monitor and it shows that the close up mode is selected.
- The flash mode is set to "FLASH CANCEL" automatically. When the close up mode is selected, the flash does not fire.

CLOSE UP – CONT'D

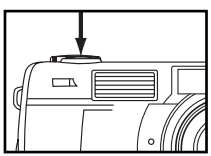
6 Determine the image composition while looking into the LCD monitor.

- There is a difference between the image range through the viewfinder and the actual one in the close up mode. We recommend you to use the LCD monitor when determining the image composition.
- We recommend you use a tripod or set the camera on a stable surface.
- The LCD monitor cannot be turned off in close up mode.



7 Press the shutter-release button part-way down.

- If the focus lamp (green) blinks, check that the subject is 4 to 40cm from the camera. (The subject should not be more than 40cm from the camera).

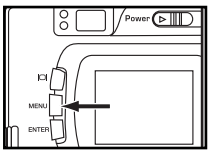


8 Press the shutter-release button all-the–way down to take the picture.

- Even after taking a picture, the close up mode is not cancelled. When the camera is turned off and on again, the camera enters autofocus mode.
- When the camera enters the autofocus mode, the flash mode is returned to "AUTOFLASH WITH RED-EYE REDUCTION".

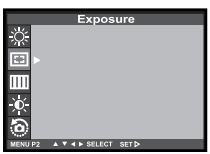
EXPOSURE COMPENSATION

This function makes the image brighter or darker by adjusting the exposure compensation value for CCD. The bigger the exposure compensation value is, the brighter the image is and the smaller the exposure compensation value is, the darker the image is.

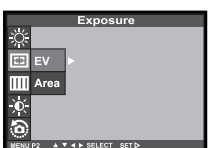


1 Rotate the function dial to 📷 and press the MENU button.

- The recording mode menu is displayed on the LCD monitor.



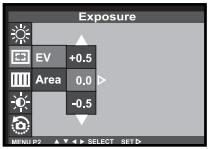
2 Press the ▲ or ▼ key so that [Exposure] is highlighted and press the ▶ key.



3 Press the ▲ or ▼ key so that [EV] is highlighted and press the ▶ key press.

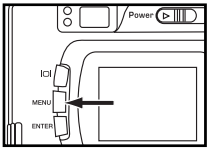
Continued on Next page

EXPOSURE COMPENSATION– CONT'D



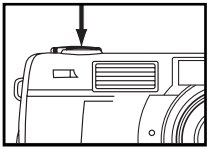
4 Press the ▲ or ▼ key that the desired exposure compensation value appears▶ to finish the setting.

• The exposure compensation value from +2.0 to –2.0 can be specified by 0.5 step.



5 Press the MENU button.

• The exposure compensation value is specified and displayed on the upper right side of the LCD monitor (see page 34).



6 Press the shutter-release button all-the-way down to take picture.

* To cancel the exposure compensation function, follow the operation steps described above and specify 0 for the exposure compensation value, or turn off and on the camera again.
* When the image to be captured is whitish, increase the exposure compensation value so that the white part can be easily represented, on the other hand, when the image to be captured is blackish decrease the exposure compensation value so that the black part can be easily represented.

AUTOMATIC EXPOSURE CONTROL

The camera automatically exposes ISO 100 digital images correctly. The exposure times automatically selected by the exposure control program in the camera range from 2 to 1/500 seconds and the focal apertures are:

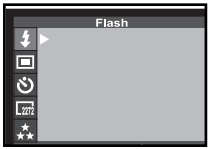
Wide Angle	Telephoto
F 3.4	F 3.6
F 4.8	F 4.8
F 7.7	F 7.7
F 15	F 15

When the shutter-release button is pressed halfway, the camera stores the measured exposure values for the shot. This allows a precise exposure for subjects with high contrast values (light/dark).

SPECIFYING THE RECORDING MODE

SPECIFYING THE RECORDING MODE

THE RECORDING MODE MENU DISPLAY (LCD Monitor)



THE RECORDING MODE MENU ITEMS

FLASH
(For the Flash mode, see page 41)

- **(Auto-flash)**
- **(Fill-flash)**
- **(Flash cancel)**
- **(Auto-flash with red-eye reduction)**
- **(Night mode)**

FOCUSING
(For the Focus mode,see page 35)

- **Auto (Auto focus)***
- **CLOSE UP (Close up shot)**
- **MANUAL (Manual focus)**

SPECIFYING THE RECORDING MODE – CONT'D

DRIVE MODE

(For the Drive mode, see page 65)

- **(Single shot)***
- **(Continuous shot)**
- **(Multi-shot 16)**
- **(Self-timer shot)**

IMAZE SIZE

(For the Image size ,see page 63)

- **FULL (2272X1704)**
- **HALF (1600X1200)**
- **VGA (640X480)**

QUALITY

(For the Image quality, see page 64)

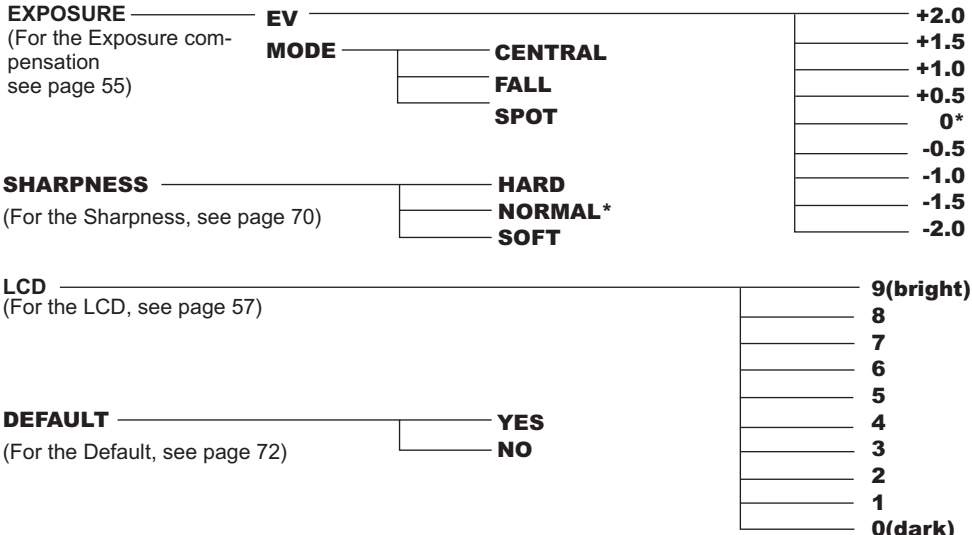
- **FINE (Fine mode)**
- **STD. (Standard mode)**
- **ECON. (Economy mode)**

WHITE BALANCE

(For the White Balance, see page 69)

- **AUTO (Auto setting)***
- **(Daylight)**
- **(Light bulb)**
- **(Fluorescent)**

SPECIFYING THE RECORDING MODE – CONT'D



Continued on Next page

SPECIFYING THE RECORDING MODE – CONT'D

* The settings indicated with an * are resumed when the power of the camera is turned off and on, or when the batteries are removed and inserted. For "QUALITY" and "IMAGE SIZE", the camera memorizes the last setting before the power of the camera is turned off or before the batteries are removed.
* For "FLASH" mode, see page 52. For the exposure compensation, see page 55. For the "MANUAL Focus" mode, see page 38. For "CLOSE UP" mode, see page 53. For the "DRIVE MODE (continuous shot)", see page 44. For the "DRIVE MODE (self-timer shot)", see page 47. Only the 4 items of "QUALITY" (image quality), "IMAGE SIZE", "WB" (white balance) and "SHARP-NESS" are described on the following pages.

SPECIFYING THE IMAGE QUALITY MODE

This camera has 3 image quality modes; " ★★★ "(Fine), "★★ " (Standard) and " ★ " (Economy).

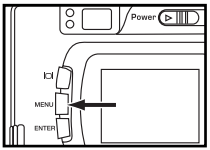
The image quality is related to the compression ratio of the image. The compression rate is higher in the order of " ★★★ " → " ★★ " → " ★ ". The higher the compression rate is, the lower the image quality is. When you want high quality images, select " ★★★ ". However, as the compression rate is low, the number of images that can be recorded on the Card is less than that in the "★★ " or " ★ " mode. When you want to record as many images on the card as possible, select " ★ " or "★★ ". However, as the compression rate is high, the image quality is lower than in the " ★★★ " mode.
The compression rate, image recording format, image file size and the number of images that can be recorded using an 8 MB CF card for each ★★★ , ★★ . and ★ are as follows:

	★★★ (Fine)	★★ (Standard)	★ (Economy)
The compression rate	about 1/6	about 1/12	about 1/25
The image recording format	Exif2.1-JPEG (DCF standards)		
The image file size	about 1600KB (about 430 KB)	about 430 KB (about 215 KB)	about 170 KB (about 106 KB)
The recordable number of the images using an 8MB CF card	about 4 (about 19)	about 9 (about 38)	about 20 (about 77)

* Refer to the image file size and recordable number as a guide. These vary according to the scene or subject to be recorded. The numbers in parentheses are the values when the image size is set to " ★★★ ".

Continued on Next page

SPECIFYING THE IMAGE QUALITY MODE CONT'D



1 Rotate the function dial to 📷 and press the MENU button.

• The recording mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [QUALITY] is highlighted and press the ▶ key.

3 Press the ▲ or ▼ key so that the desired image quality mode is highlighted and press ▶ key to finish the setting.

• The image quality mode changes in the following order:

★★ (Fine mode)

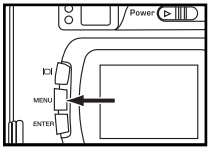
▲ ▼

★★ (Standard mode)

▲ ▼

★ (Economy mode)

SPECIFYING THE IMAGE QUALITY MODE – CONT'D



5 Press the MENU button.

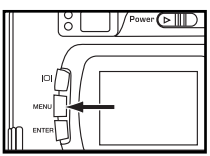
- The selected image quality mode is specified and displayed on the upper left side of the LCD monitor (see page 35).

* It does not matter if there are images recorded in different image quality modes in a CF card.
* The setting of the image quality mode is stored in the camera's memory, even after the camera is turned off.
* Changing the image quality mode affects the remaining number of images which can be recorded in the card. Selecting " ★★", in particular, may considerably reduce the remaining number of images. We recommend you check the number display of recordable remaining frames on the data panel.

SPECIFYING THE IMAGE SIZE MODE

Before taking pictures, select the image size. Changing the image size affects the number of images that can be recorded on the CF card. " FULL ", " HALF " or "VGA" are the available options.

Image Size	Number of Pixels (W x H)
FULL	2722X1704
HALF	1600X1200
VGA	640X480

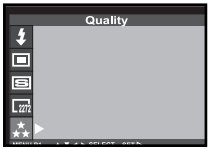


1 Rotate the function dial to and press the MENU button.

• The recording mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [IMAGE SIZE] is highlighted and press the ▶ key.

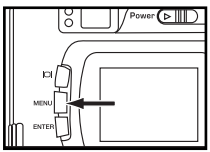
SPECIFYING THE IMAGE SIZE MODE – CONT'D



3 Press the ▲ or ▼ key so that the desired image size mode is highlighted press the ▶ key.

• The image size mode changes in the following order:

FULL (2272X1704)
▲ ▼
HALF (1600X1200)
▲ ▼
VGA (640X480)



5 Press the MENU button.

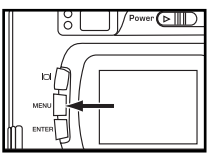
• The selected image size mode is specified and displayed under the image quality on the upper left side of the LCD monitor (see page 34).

* The setting of the image size mode is stored in the camera's memory even after the camera is turned off.
* Changing the image size mode affects the remaining number of images which can be recorded on the card. We recommend you check the number display of recordable remaining frames on the data panel when you change the image size mode.

SPECIFYING THE WHITE BALANCE MODE

This camera has four white balance modes.

AUTO	**Auto white balance** This adjusts the white balance according to the light source incident on the CCD. Normally select this mode.
☀	**Daylight mode** Select this mode when the subject is illuminated by sunlight.
💡	**Light bulb mode** Select this mode when the subject is illuminated by an incandescent or tungsten light.
▭	**Fluorescent mode** Select this mode when the subject is illuminated by a fluorescent light.

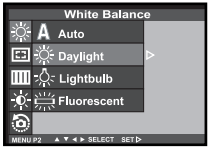


1 Rotate the function dial to 📷 and press the MENU button.

- The recording mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [White Balance] is highlighted and press the ► key.

SPECIFYING THE WHITE BALANCE MODE – CONT'D



3 Press the ▲ or ▼ key so that the desired white balance mode is highlighted, press ▶ key.

- The white balance mode changes in the following order:

AUTO (Auto white balance)

▲ ▼

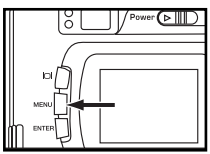
Daylight mode

▲ ▼

Light bulb mode

▲ ▼

Fluorescent mode



4 Press the MENU button.

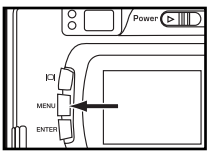
- The selected white balance mode is specified and the icon for the selected white balance mode is displayed to the left of the flash mode on the upper left side of the LCD monitor (see page 34). However, when "AUTO" is selected, no icon appears on the LCD monitor.

* The white balance mode automatically returns to "AUTO" when the camera is turned off and on again.

SPECIFYING THE SHARPNESS MODE

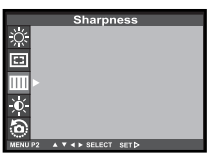
This camera has three sharpness modes as described below.

HARD	This enhances the sharpness of the image.
NORMAL	No effect on the sharpness.
SOFT	This reduces the image sharpness and makes an image soft.



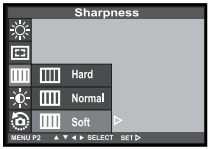
1 Rotate the function dial to and press the MENU button.

- The recording mode menu is displayed on the LCD monitor.



2 Press the ▲ or ▼ key so that [SHARPNESS] is highlighted and press the ► key.

SPECIFYING THE SHARPNESS MODE – CONT'D

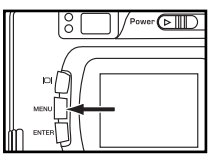


3 Press the ▲ or ▼ key so that the desired [sharpness] is highlighted.

- The sharpness mode changes in the following order.

HARD
▲ ▼
NORMAL
▲ ▼
SOFT

4 Press the ► key.



5 Press the MENU button.

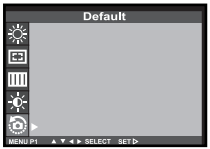
- The selected sharpness mode is specified and displayed on the lower left side of the LCD monitor (see page 34). However, when "NORMAL" is selected, no display appears on the LCD monitor.

RESETING TO THE RECORDING MODE DEFAULT SETTINGS

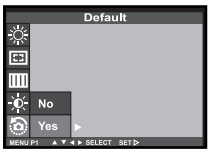
This allows you to reset the camera's **RECORDING MODE** to the default settings in one step.

The camera settings	Default settings
Flash	Autoflash with red-eye reduction
Focus-mode	Auto
Focus-Area	Central region
Drive Mode	Single
Image size	Full(2272X1704)
Quality	Standard
White Balance	Auto
Exposure-EV	0
Exposure-Area	Central region
Sharpness	Normal
LCD	5

RESETTING TO THE RECORDING DEFAULT SETTING–CONT'D



1 Press the ▲ or ▼ key so that [DEFAULT] is highlighted and press ▶ key.



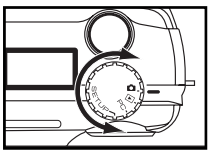
2 Press the ▼ key that [YES] is highlighted and press ▶ key.

- The camera settings are reset to the default.
- The LCD monitor display returns to the recording mode menu.

PLAYBACK MODE

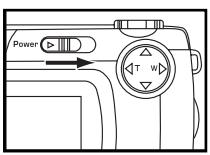
SINGLE-FRAME PLAY

The images recorded in the CF card can be displayed one frame at a time on the LCD monitor.



1 Rotate the function dial to ▶ .

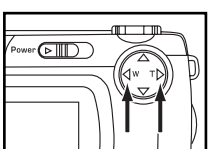
• The function dial can be rotated even when the camera is turned on.



2 If the camera is not turned on, slide the power switch to turn on the camera.

• The power switch returns to the initial position.

• In a while, the latest image (last recorded) is displayed on the LCD monitor.



3 Press ▶ or ◀ key to display the desired image.

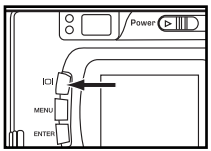
• If the ▶ key is pressed, the next image is displayed. When the ◀ key is pressed, the preceding image is displayed.

• When the newest image (last recorded) is displayed and ▶ is pressed, the oldest image (first recorded) is displayed.

• When the oldest image (first recorded) is displayed and ◀ is pressed, the newest image (last recorded) is displayed.

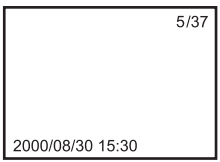
THE PLAYBACK MODE DISPLAY ON THE LCD MONITOR

THE PLAYBACK MODE DISPLAY ON THE LCD MONITOR

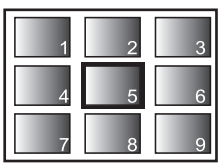


Each time the display button is pressed, the display on the LCD monitor changes in the following order.

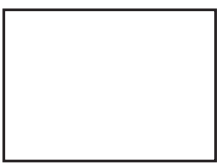
Single-frame play
(with the image information)



Index
(9 frames)



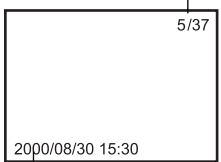
Single-frame play
(with no image information)



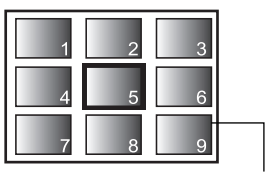
THE PLAYBACK MODE DISPLAY ON THE LCD MONITOR – CONT'D

THE IMAGE INFORMATION DISPLAY IN THE PLABACK MODE

Frame number of the image/Total frame number recorded in the CF card



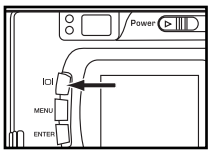
Recorded date and time of the image



When the camera enters the index play mode, the frame number of the image displayed last in the single-frame play mode is highlighted. (The ninth frame is the last displayed image in the figure above.)

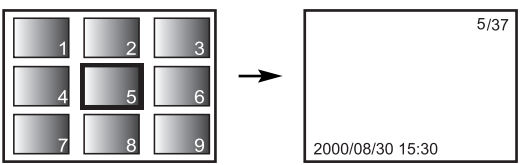
INDEX PLAY

This mode allows you to display 9 frames at a time on the LCD monitor. It is a convenient way to locate a specific image quickly.

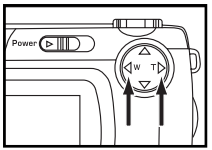


1 When the camera is set to the single-frame play mode, press the display button once or twice (see page 76).

- When the image information is displayed in the single-frame play mode, press the display button twice and when no information is displayed, press the display button once.
- The frame number of the image displayed last in the single-frame play mode right before switching to the index play made is highlighted. The other frame numbers are displayed white on the images.

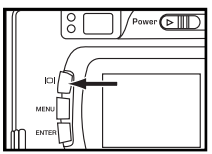


INDEX PLAY – CONT'D



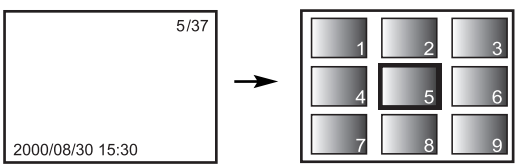
2 Press ▲ , ▼ , ▶ , ◀ key to select the desired image.

- When ▶ is pressed, the following image is selected and the frame number of the image is highlighted. When ◀ is pressed, the preceding imaged is selected and the frame number of the image is highlighted.
- When the ninth frame is selected (when the number 9 is highlighted) and ▶ is pressed, the following 9 frames are displayed.
- When the tenth frame is selected (when the number 10 is highlighted) and the ◀ key is pressed, the preceding 9 frames are displayed.



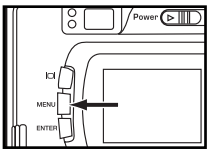
3 Press the display button once (see page 76).

- The display on the LCD monitor switches to the single-frame play mode (with the image information) from the index play mode.
- Ten selected index image (whose frame number is highlighted) is displayed in the single-frame play mode.



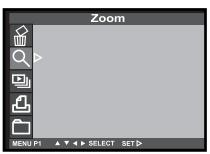
ZOOM PLAY

This mode allows you to increase the magnification of an image around the center 2.5 times and display it on the LCD monitor. It is convenient when checking the details of the image.

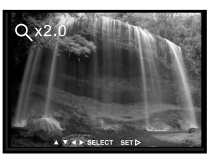


1 Rotate the function dial to ▶ and press the MENU button.

- The playback mode menu is displayed on the LCD monitor



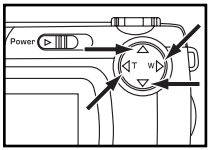
2 Press the ▲ or ▼ key so that "ZOOM" is highlighted.



3 Press the ▶ key.

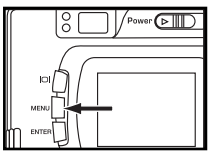
- The center part of the image selected in the single-frame play or the index play mode is magnified 2.5 times.

ZOOM PLAY – CONT'D



4 Press the ▲ , ▼ , ▶ or ◀ key to scroll the magnified image.

- The image moves slightly in the direction of the key you press. The image keeps moving while the key is held and pressed.



5 To cancel the zoom play mode, press the MENU button.

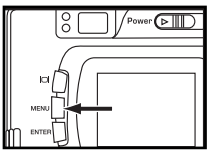
- When the zoom play mode is switched from the single-frame play mode, the single-frame play (with the image information) mode returns, When the zoom play mode is switched form the index play mode, the single-frame play (with no image information) mode returns when the display button is pressed and the index play mode returns when the button is pressed again.

* In the zoom play mode, the image around the center is displayed in 640 x480 pixels on the LCD monitor.

SLIDE SHOW

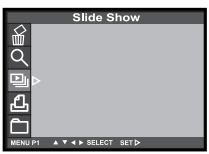
The images can be played back continuously on the LCD monitor like an automatic slide show.

TO START THE SLIDE SHOW

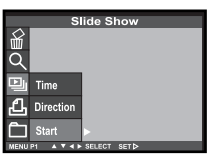


1 Rotate the function dial to ▶ and press the menu button.

• The play back mode menu is displayed on the LCD monitor.



2 Press the ▲ or ▼ key so that [SLIDE SHOW] is highlighted



3 Press the ▲ or ▼ key so that [START] is highlighted,and press the ▶ key.

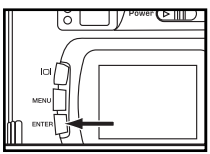
• The slide show starts according to the settings in the slide show mode menu (the settings of "TIME" and "DIRECTION").

SLIDE SHOW – CONT'D

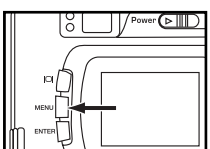
TO STOP THE SLIDE SHOW

Press one of the following buttons or keys while the slide show is performed. The slide show stops temporarily.

- **One of the ▲ , ▼ , ▶ and ◀ keys**
- **DISPLAY button**
- **MENU button**
- **ENTER button**



- When the ENTER button is pressed while the slide show is temporarily stopped, the slide show stops.

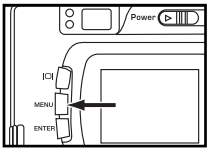


- When the MENU button is pressed while the slide show is temporarily stopped, the playback mode menu is displayed on the LCD monitor.

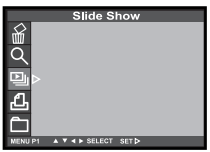
Continued on Next page

SLIDE SHOW – CONT'D

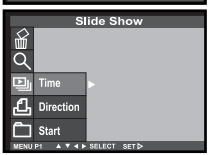
THE SETTING IN THE SLIDE SHOW MODE MENU



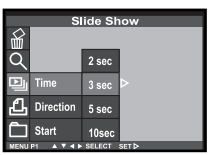
1 Rotate the function dial to ▶ and press the MENU button.



2 Press the ▲ or ▼ key so that [SLIDE SHOW] is highlighted.



3 Press the ▲ or ▼ key so that [TIME] is highlighted, and press ▶ key.



4 Press the ▲ or ▼ key so that the desired interval time is highlighted.

SLIDE SHOW – CONT'D

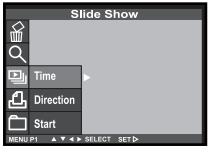
5 Press the ► key to finish the setting.

6 Press the ▲ or ▼ key so that [DIRECTION] is highlighted and press ► key.

7 Press the ▲ or ▼ key so that the desired direction is highlighted and press ► to finish the setting.

• The direction changes in the following order:

FORWARD
▲ ▼
BACKWARD
▲ ▼
RANDOM



9 Press the ► key to start slide show.

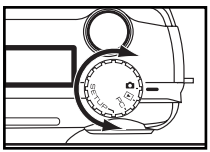
Continued on Next page

DELETING IMAGES

DELETING SELECTED IMAGES

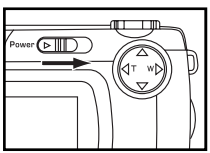
The images recorded in the CF card can be deleted while viewing them displayed on the LCD monitor.

CAUTION
As the deleted image cannot be recovered, be careful when deleting an image.



1 Rotate the function dial to ▶ .

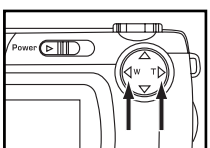
• The function dial can be rotated even when the camera is turned on.



2 If the camera is not turned on, slide the power switch to turn on the camera.

• The power switch returns to the initial position.

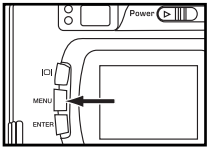
• In a while, the newest image (recorded last) is displayed on the LCD minitor.



3 Press ◀ or ▶ key to select the image to be deleted.

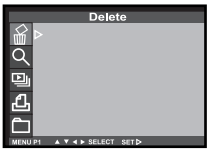
• When the▶ key is pressed, the following image is selected. When the ◀ key is pressed, the preceding image is selected.

DELETING SELECTED IMAGES – CONT'D



4 Press the MENU button.

• The playback mode menu is displayed on the LCD monitor



5 Press the ▲ or ▼ key so that [DELETE] is highlighted, press the ► key.

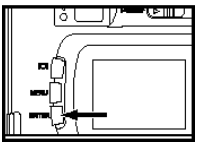
6 Press the ▲ or ▼ key so that [SELECTED IMAGE] is highlighted, press the ► key.

* The color of the background in the figure to the left is gray so you can easily read the contents of the display in this example. However, the image to be deleted (the image displayed on the LCD monitor in step 3) is actually displayed in the background on the camera.

DELETING SELECTED IMAGES - CONT'D

7. Use the ▲ ▼ ◀ ▶ keys to highlight the image to be deleted. Press the DISPLAY button to select the image for deletion.

- Multiple images may be selected by repeating step **7** until all desired images are selected.

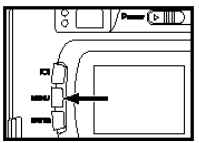


8. Press the ENTER button.

- After pressing the ENTER button, a menu requesting confirmation for the delete process will appear.

9. Press the key ▼ so that [YES] is highlighted and press the ▶ key.

- The image(s) selected in step **7** will be deleted.
- The LCD monitor display returns to the Delete Selected images menu.



10. Press the MENU button twice.

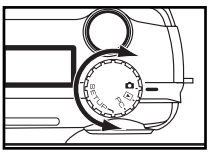
- The LCD monitor display returns to the playback mode.

DELETING ALL IMAGES

All images recorded in this folder can be deleted.

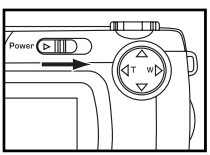
CAUTION

As the deleted image cannot be recovered, be careful when deleting all images.



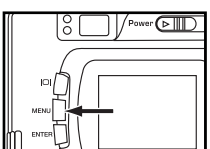
1 Rotate the function dial to ▶ .

- The function dial can be rotated even when the camera is turned on.



2 If the camera is not turned on, slide the power switch to turn on the camera.

- The power switch returns to the initial position.
- In a while, the newest image (recorded last) is displayed on the LCD monitor.



3 Press the MENU button.

- The playback mode menu is displayed on the LCD monitor.

DELETING ALL IMAGES– CONT'D

4 After confirming that [DELETE] is highlighted, press the ► key.

5 Press the ▼ key so that [ALL IMAGES] is highlighted and press the ► key.

- The display to confirm whether you delete all images or not appears as shown in the figure.
- Only images captured with this camera can be all deleted. If you insert a CF card that contains images captured with another camera, the images cannot be deleted.

6 Press ▼ key so that [YES] is highlighted press ► key to finish the Deleting.

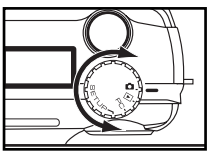
- All images recorded in the CF card are deleted.
- While all images are being deleted, the focus lamp (green) blinks slowly (about two times a second).

DELETING FOLDERS

Delete the folder and all images in the folder

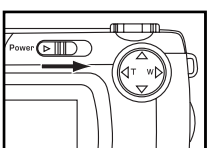
CAUTION

As the deleted folder cannot be recovered, be careful when deleting all folder.



1 Rotate the function dial to ▶ .

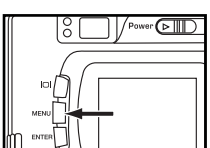
• The function dial can be rotated even when the camera is turned on.



2 If the camera is not turned on, slide the power switch to turn on the camera.

• The power switch returns to the initial position.

• In a while, the latest image (recorded last) is displayed on the LCD monitor.



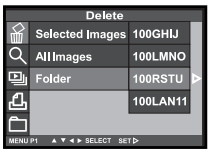
3 Press the MENU button.

• The playback mode menu is displayed on the LCD monitor.

DELETING FOLDERS– CONT'D

4 After confirming that [DELETE] is highlighted, press the ► key.

5 Press the ▼ key so that [FOLDER] is highlighted and press the ► key.



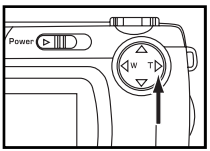
7 Press ▲ ▼ key to select the Folder in the CF card you want to delete, press ► key.

6 Press ▼ key so that [YES] is highlighted press ► to finish the Deleting.

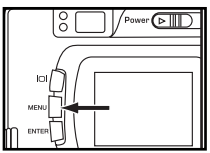
- All images in the folder and the folder are deleted.
- While all images are being deleted, the focus lamp (green) blinks slowly (about two times a second).
- Select [NO] and it won't delete the folder.

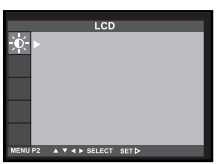
ADJUSTING THE BRIGHTNESS OF THE LCD MONITOR

This allows you to adjust the brightness of the LCD monitor according to the angle at which you watch it or the brightness around the monitor so that the display on the LCD monitor can be seen clearly.



1 Rotate the function dial to ▶ and press the MENU button.





2 After confirming that [LCD] is highlighted, press the ▶ key.

- If the LCD monitor is turned off, the LCD monitor is automatically turned on and the live view screen and the display to change the brightness of the LCD monitor appear.

ADJUSTING THE BRIGHTNESS OF THE LCD MONITOR– CONT'D

3 Press the ▲or ▼ key so that the desired brightness is highlighted. Press ► to set the value you selected.

- The brightness can be adjusted from 0 to 9. The smaller number darkens the image and the larger number brightes the image on the LCD monitor.

* The color of the background in the left figure is gray so that you can easily see the contents of the display. However, the live view screen is actually displayed in the background.

SPECIFYING
THE PLAYBACK MODE

THE PLAYBACK MODE MENU

THE PLAYBACK MODE MENU (LCD Monitor)

THE PLAYBACK MODE MENU ITEMS AND EACH SETTINGS

DELETE

(For deleting images see page 87)

- **SELECT IMAGE** — **YES** / **NO**
- **DELETE ALL IMAGES** — **YES** / **NO**
- **FOLDER** — **YES** / **NO**

ZOOM

(For the zoom play mode, see page80)

SLIDE SHOW

(For the slide show mode,see page 82)

- **START**
- **DIRECTION** — **FORWARD** / **BACKWARD** / **RANDOM**
- **TIME** — **2-10 SEC**

THE PLAYBACK MODE MENU– CONT'D

PRINT
(For specifying the print settings with the DPOF, see page 99)
- **STD.**
- **INDEX**
  - **YES**
  - **NO**
- **CANCEL**
  - **YES**
  - **NO**

FOLDER
(see page 107)
- **NEW**
- **SELECT**
  - **100SK410**
  - **Other folder name**

LCD BRIGHT
(For adjusting the brightness of the LCD monitor, see page 95)
- 9(bright)
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
- 0(dark)

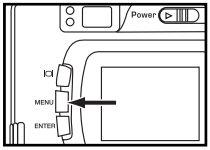
* For "DELETE" (deleting images), see page 88. For "ZOOM" (zoom play), see page 80. For "SLIDE SHOW" (auto play), see page 82. Only the 2 items of "PRINT" (Specifying the print setting with DPOF) and "FOLDER" (Folder name) are described on the following pages.

SPECIFYING THE PRINT SETTINGS WITH THE DPOF

This camera supports the DPOF™ (Digital Print Order Format) Version 1.00 so that you can specify the images and the number of copies to be printed and the print type. So, the specified images can be printed at the specified number only by handing the CF card or the SmartMedia™, etc. in which not only the captured images but the DPOF data are recorded, to the photo finishing print service supporting DPOF. You do not need to give them the file name or your password. Also, if you set the media including the DPOF data in the personal printer which supports the DPOF, you can print the specified images at the specified number automatically.

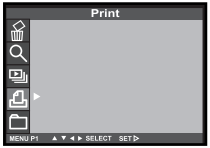
* The DPOF was jointly developed by Eastman Kodak Company, Canon Inc., Fuji Photo Film co., Ltd., and Matsushita Electric Industrial Co., Led. for direct printing from a digital camera.
* This camera does not support "DPOF Version 1.10" which was released in July, 2000.

SPECIFYING THE IMAGE AND THE NUMBER TO BE PRINTED



1 Rotate the function dial to ▶ and press the MENU button.

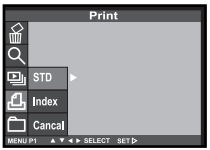
• The playback mode menu is displayed on the LCD monitor.



2 Press the ▲ or ▼ key so that [PRINT] is highlighted and press ▶ key.

SPECIFYING THE PRINT SETTINGS WITH THE DPOF – CONT'D

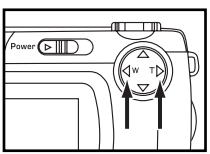
SPECIFYING THE IMAGE AND THE NUMBER TO BE PRINT



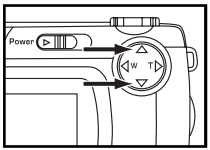
3 Press the ▲ or ▼ key so that [STD] is highlighted and press ▶ key.

4 Press ◀ or ▶ key to select the image to be printed.

- When the image to be printed is selected, the number to be printed is highlighted.
- With the sixth frame selected and ▶ is pressed, the following 6 frames are displayed.
- When the seventh frame is selected and ◀ key is pressed, the preceding 6 frames are displayed.



SPECIFYING THE PRINT SETTINGS WITH THE DPOF – CONT'D

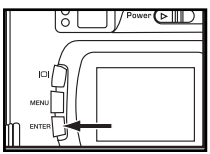


5 Press the ▲ or ▼ key to select the number to be printed.

- When ▲ is pressed, the number becomes larger.
  When ▼ is pressed, the number becomes smaller.

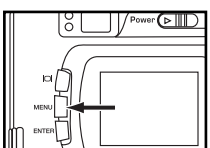
6 Repeat step 4 and 5 to specify the number to be printed for all images.

- For the images you do not want to print specify 0.



7 Press the ENTER button to finish the setting.

- The DPOF file, including data of the image and the number to be printed, is recorded in the CF card.
- After the file is recorded, the LCD monitor display returns to the playback mode menu.



8 Press the MENU button.

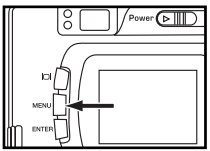
- The LCD monitor display returns to the playback mode.

SPECIFYING THE PRINT SETTINGS WITH THE DPOF – CONT'D

SPECIFYING THE INDEX PRINT SETTING

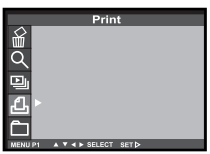
This setting allows you to print all images recorded in the CF card on one sheet as an index print.

The illustration of index print as an image.

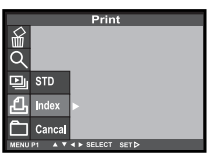


1 Rotate the function deal to ▶ and press the MENU button.

• The playback mode menu is displayed on the LCD monitor.



2 Press the ▲ or ▼ key so that [PRINT] is highlighted and press ▶ key.

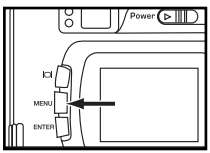


3 Press the ▼ key so that [INDEX] is highlighted and press ▶ key to finish the setting.

• The display to confirm whether you print the images as an index print or not appears as shown in the figure.

SPECIFYING THE PRINT SETTINGS WITH THE DPOF – CONT'D

- The DPOF file, including data concerning the index print settings, is recorded in the CF card.
- After the file is recorded, the LCD monitor display returns to the playback mode menu.



4 Press the MENU button.

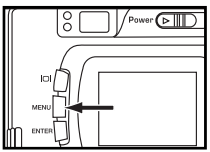
- The LCD monitor display returns to the playback mode.

Continued on Next page

SPECIFYING THE PRINT SETTINGS WITH THE DPOF – CONT'D

TO CANCEL THE PRINT SETTINGS WITH THE DPOF

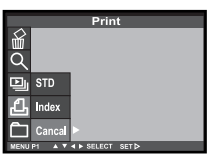
All Print settings with the DPOF, as described on pages 99-103, can be cancelled. The index print setting (see page 102) is also cancelled.



1 Rotate the function dial to ▶ and press the MENU button.

• The playback mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [PRINT] is highlighted and press ► key.



3 Press the ▼ key twice so that [CANCEL] is highlighted and press the ► key to finish the setting.

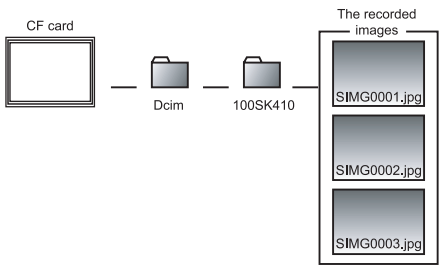
• The display to confirm whether you cancel all print settings or not appears as shown in the figure.

FOLDER NAME

The folder in the CF card conforms with the DCF (Design rule for Camera File system) format.

When taking a picture with this camera, the "Dcim" folder is made in the directory of the CF card and the "100MDN41" folder is made in the "Dcim" folder. The first captured image is recorded with the file name of "SIMG001.jpg" in the "100MDN41" folder. The name of the folder in which the captured images are recorded is displayed on the playback mode menu.

The file name of the image to be recorded consists of "SIMG", "4-digit number" and ".jpg". The files are recorded in the "100MDN41" folder until the 4-digit number becomes 9999 (the file name of "SIMG9999.jpg"). When the 10,000th file is recorded, the "101MDN41" folder is newly made in the "Dcim" folder and the 10,000th file is recorded with the file name of "SIMG0001.jpg"in the "101MDN41"folder.



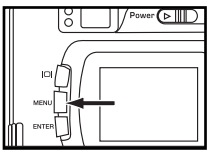
There will be two folders for the images in one CF card, if you capture more than 10,000 images. You can select the folder in which the image to be played back is recorded by the folder name displayed in the playback mode menu.

Continued on Next page

FOLDER NAME– CONT'D

SELECTED AN FOLDER

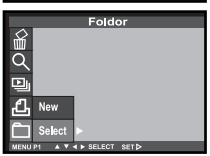
Even if another digital camera supporting the DCF format is used to record the captured images in the CF card, you can insert the CF card into this camera and play back the images by selecting the particular folder name of the other digital camera in the playback mode menu.



1 Rotate the function dial to ▶ and press the MENU button.

• The playback mode menu is displayed on the LCD monitor.

2 Press the ▲ or ▼ key so that [FOLDER] is highlighted and press ▶ key.



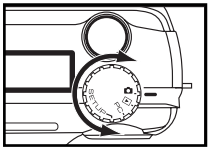
3 Press the ▲ or ▼ key so that [SELECT] is highlighted and press ▶ key.

• The existing folder is displayed on the LCD monitor.

• After choosing the folder, the following images will be saved in the selected folder.

FOLDER NAME– CONT'D

You could give the folder a new name in the FOLDER-NEW mode, the last 5 characters are arbitrarily determined.



1 Rotate the funtion dial to ▼ and press the MENU button.

• The playback mode menu is displayed on the LCD monitor.

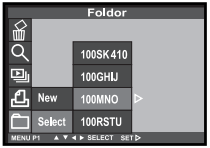
2 Press the ▲ or ▼ key so that [FOLDERS] is highlighted and press ▶ key.

3 Press the ▲ or ▼ key so that [New] is highlighted and press ▶ key.

4 Press ▲ or ▼ key to highlight the character you desire and press ▶ to select it.

• To cancel the new name, press the menu button, returning to playback menu.

FOLDER NAME– CONT'D



5 Press the ▼ key so that the folder name in which the image is to be recorded is highlighted and press the ENTER button.

• When only the "100MDN41" folder exists, the folder name does not change, even when the ▲ or ▼ keys are pressed.

On DCF (Design rule for Camera File system) Format

DCF (Design rule for Camera File system) is the image format established by JEODA as the standard format for digital cameras.

Through this format, image files can transferred between digital equipment that conforms to DCF.

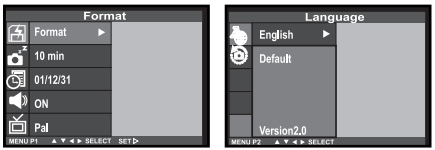
The following operations can be performed between digital equipment that conforms to DCF:

- The images captured with your digital camera can be played back on the LCD monitor of another digital camera.
- The images captured with some digital cameras can be printed out from a printer.
- A recording media (such as a CF card or SmartMedia™) can be used with any of the digital cameras.
- By using a computer with software that conforms to DCF, even the image data recorded with some digital cameras can be easily sorted out.

SETUP

THE SETUP MODE MENU DISPLAY

THE SETUP MODE MENU DISPLAY ON THE LCD MONITOR



FORMAT
(For formatting the CF card, see page 115)
- **NO**
- **YES**

POWER SAVE
(For the time for the auto power off function, see page 113)
- 30 min. (30 minutes)
- 10 min. (10 minutes)
- 5 min. (5 minutes)
- 3 min. (3 minutes)
- 1 min. (1 minute)

THE SETUP MODE MENU DISPLAY – CONT'D

DATE/TIME — **DATE** — **YYYY/MM/DD**
(For setting or correcting the date and time, see page 117) — **TIME** — **HH:MM**

BEEP — **ON (The beep sounds.)**
(For turning on or off the beep, see page 120) — **OFF (The beep does not sound.)**

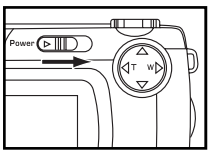
VIDEO OUT — **PAL**
(For switching the video signal from the video-out terminal, see page 122) — **NTSC**

LANGUAGE — **ENGLISH**
(For switching the language displayed on the LCD monitor, see page 124)

DEFAULT — **NO**
(For resetting the camera, see page 126) — **YES**

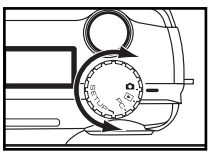
SPECIFYING THE TIME FOR THE AUTO POWER OFF FUNCTION

To save battery power, this camera will turn off automatically if it is not operated for more than 3 minutes. (Auto Power Off function) The time for the auto power off function is set to 3 minutes, unless you change the setting after you purchase the camera.



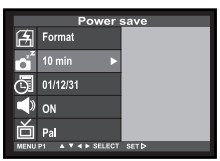
1 Rotate the function dial to 📷 and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



2 Rotate the function dial to "SETUP".

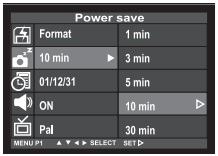
• The setup mode menu is displayed on the LCD monitor as shown in the figure.



3 Press the ▲ or ▼ key so that [POWER SAVE] is highlighted and press the ► key.

Continued on Next page

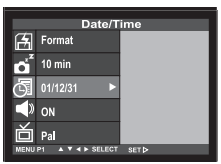
SPECIFYING THE TIME FOR THE AUTO POWER OFF FUNCTION– CONT'D



4 Press the ▲ or ▼ key so that the desired time for the auto power off function is highlighted.

• The time for the auto power off function changes in the following order.

30 MIN. (30 minutes)
▲ ▼
10 MIN. (10 minutes)
▲ ▼
5 MIN. (5 minutes)
▲ ▼
3 MIN. (3 minutes)
▲ ▼
1 MIN. (1minute)



5 Press the ► key to finish the setting.

´Only when using batteries can the time for the auto power off function be specified. When using the AC adapter (sold separately), the time for the auto power off function is fixed to 30 minutes and cannot be changed.

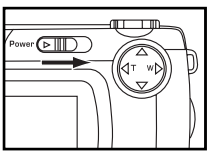
´When the camera is connected to a computer the time for the auto power off function is automatically fixed at 30 minutes with the AC adapter. The auto power off will still function with batteries.

FORMATTING THE CF CARD

This allows you format the CF card.

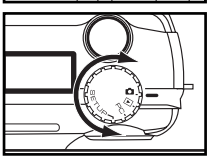
CAUTION

As all the images recorded in the CF card are deleted and cannot be recovered, be careful when formatting the CF card.



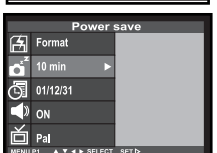
1 Rotate the function dial to and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



2 Rotate the function dial to "SETUP".

• The setup mode menu is displayed on the LCD monitor as shown in the figure.

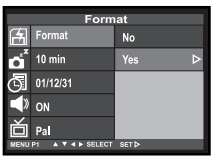


Continued on Next page

FORMATTING THE CF CARD – CONT'D

3 Press the ▲ or ▼ key so that [FORMAT] is highlighted press ▶ key.

- The prompt to confirm you want to format the CF card appears.

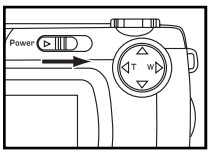


4 Press the ▶ key so that [YES] is highlighted and press the ▶ Key to finish the setting.

- The format of the CF card starts.
- After formatting the CF card, the LCD monitor returns to the setup mode menu display.

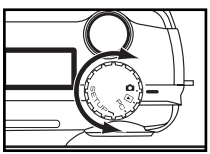
SETTING THE DATE / TIME

When taking a picture, the date and time are recorded as part of the image information. If the built-in clock of this camera is not set correctly, the wrong date and time are recorded. Set the date and time correctly by performing the procedure below.



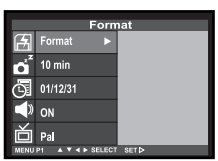
1 Rotate the function dial to and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



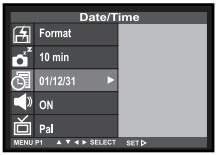
2 Rotate the function dial to "SETUP".

• The setup mode menu is displayed on the LCD monitor as shown in the figure.



Continued on Next page

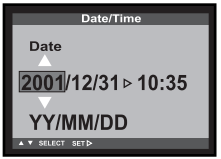
SETTING THE DATE / TIME– CONT'D



3 Press the ▲ or ▼ key so that [DATE/TIME] is highlighted and press the ▶ key.

• The display to set the date and time appears as shown in the figure.

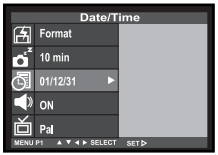
4 Press the ▲ or ▼ key so that [DATE] is highlighted and press the ▶ key.



5 Press the ▲ or ▼ key to specify or correct the date and press ▶ key to finish the setting.

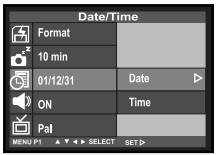
• When you press and hold the ▲ or ▼ key, the value goes fastforward or fastbackward.

SETTING THE DATE / TIME– CONT'D

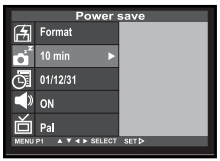


6 Press the ▲ or ▼ key so that [DATE/TIME] is highlighted press ► key.

• The display to set the date and time appears as shown in the figure.



7 Press the ▲ or ▼ key so that [TIME] is highlighted and press the ► key.



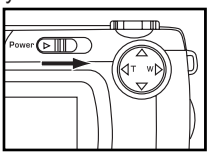
8 Press the ▲ or ▼ key to specify or correct the date and press the ► to finish the setting.

• When you press and hold the ▲ or ▼ key, the value goes fastforward or fastbackward.

Continued on Next page

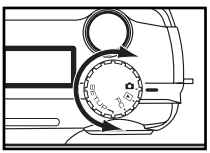
SETTING THE BEEP SOUND

The beep sounds each time you operate this camera with the buttons or function dial. You can turn the beep off or on. The beep is turned on unless you change the setting after you purchase this camera.
When you use this camera in a situation where you cannot make noise, such as a wedding ceremony, you can turn off the beep.



1 Rotate the function dial to and slide the power switch to turn on the camera.

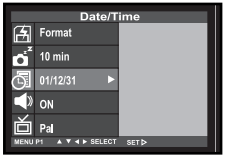
- The power switch returns to the initial position.



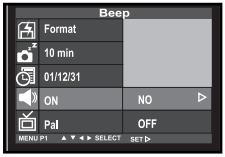
2 Rotate the function dial to "SETUP".

- The setup mode menu is displayed on the LCD monitor as shown in the figure.

SETTING THE BEEP SOUND– CONT'D



3 Press the ▲ or ▼ key so that [BEEP] is highlighted and press the ▶ key.



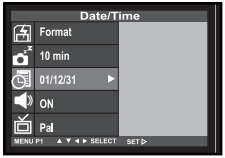
4 Select [ON] or [OFF] with the ▲ or ▼ key.

• The beep settings change in the following order:

ON (The beep sounds.)

▲ ▼

OFF (The beep does not sound.)



5 Press the ▶ key to finish the setting .

• When [OFF] is selected on step **4**, the beep does not sound even when you operate with the buttons or the function dial.

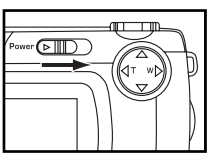
• The volume of the beep cannot be changed.

SWITCHING THE VIDEO SIGNAL FROM THE VIDEO OUTPUT TERMINAL

The camera has a video-out terminal, allowing you to watch the captured images on TV by connecting it to your TV with the supplied video cable.
The video output signal can be switched between NTSC and PAL.

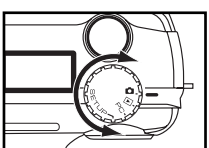
What is an NTSC system and a PAL system?

Both are the color television broadcast system. The NTSC system is mainly used in U.S.A., Japan, Canada, Mexico, the Philippines, Korea, etc. The PAL system is used in western Europe such as Germany, England, Switzerland, Holland, Italy (except for France) and Australia, Singapore, Thailand, China, etc.
As these systems have no compatibility, you cannot watch the NTSC system based TV in the area where a PAL system is used.
This camera can switch the video output signal to both an NTSC system and a PAL system. So you can watch the images on TV not only in your country, but in other areas.



1 Rotate the function dial to and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



2 Rotate the function dial to "SETUP".

• The setup mode menu is displayed on the LCD monitor.

SWITCHING THE VIDEO SIGNAL FROM THE VIDEO OUTPUT TERMINAL– CONT'D

3 Press the ▲ or ▼ key so that [VIDEO OUT] is highlighted and press the ▶ key.

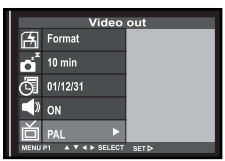
4 Select [PAL] or [NTSC] with the ▲ or ▼ key.

- The video out settings change in the following order:

PAL

▲ ▼

NTSC

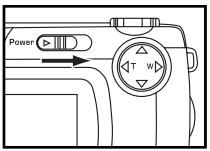


5 Press the ▶ key to finish the setting.

- The video signal system output from the video-out terminal is switched to the one selected.

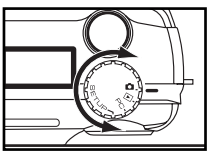
SWITCHING THE LANGUAGE DISPLAYED ON THE LCD MONITOR

The language displayed on the LCD monitor can be changed to English.



1 Rotate the function dial to 📷 and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



2 Rotate the function dial to "SETUP".

• The setup mode menu is displayed on the LCD monitor as shown in the figure.

3 Press the ▲ or ▼ key so that [LANGUAGE] is highlighted and press the ► key.

SWITCHING THE LANGUAGE DISPLAYED ON THE LCD MONITOR

4 Select [ENGLISH] with the ▲ or ▼ key.

5 Press the ► key to finish the setting.

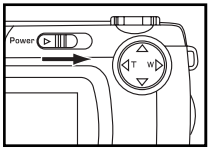
- The language on displayed on the LCD monitor is switched to the selected one.

RESETTING TO THE DEFAULT SETTINGS

This allows you to reset the camera's **PLAYBACK MODE, SETUP MODE, PC MODE** settings to their defaults in one step.

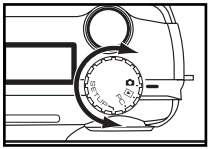
The camera **playback** settings	The default **playback** settings
Delete (see page 87)	Selected Image
Slide show-Time (see page 85)	5sec
Slide show-Direction (see page 85)	Forward
Print(see page 99)	STD (standard)
Folders(see page 105)	100MDN41
LCD(see page 94)	5
The Camera **Setup** settings	The default **setup** settings
Power save (see page 113)	3 minutes
Beep sound (see pages 120)	On
The Camera **pc** setting	The default **pc** settings
PC connection	Storage

RESETTING TO THE DEFAULT SETTING– CONT'D



1 Rotate the function dial to 📷 and slide the power switch to turn on the camera.

• The power switch returns to the initial position.



2 Rotate the function dial to "SETUP".

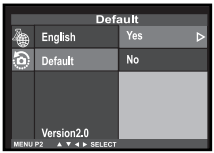
• The setup mode menu is displayed on the LCD monitor as shown in the figure.

Continued on Next page 127

RESETTING TO THE DEFAULT SETTINGS – CONT'D

3 Press the ▲ or ▼ key so that [DEFAULT] is highlighted and press the ▶ key.

- The display to confirm whether you want to reset the camera settings to the default or not appears as shown in the figure.



4 Press the ▶ key so that [YES] is highlighted .

- The camera settings are reset to the default.
- The LCD monitor display returns to the setup mode menu.

CONNECTING TO THE PERSONAL COMPUTER

INSTALLATION OF THE DRIVER AND DRIVER SOFTWARE

INSTALLATION OF THE DRIVER SOFTWARE

The following operation is required for Windows®98/98 SE/ME/2000/XP.

Can be used in Microsoft Windows series Operating System

(Operating System must support USB devices.)

(For example: Windows 98/98 SE/ME/2000/XP ...)

1. **Insert installation CD-ROM.**
2. **Digital camera is powered on and ready.**
3. **Plug in USB line, Windows will find new hardware.**
4. **Press "Next" button.**

Caution:

Be sure to connect the camera to your computer before installing the camera Twain driver or other image software.

INSTALLATION OF THE DRIVER AND DRIVER SOFTWARE

5 Select the item "Search for the best driver for your device. (Recommended) .", it will search automatically. Press "Next" button.

6 Select digital camera driver's location and press "Next" button.

INSTALLATION OF THE DRIVER AND DRIVER SOFTWARE

7 Windows finds the digital camera, press "Next" button.

8 Copying files, please wait for a few minutes.

9 Congratulations, installation is a success.

Remember to reboot your computer.

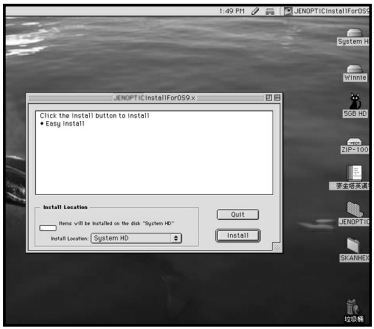
CONNECTING TO THE PERSONAL COMPUTER–CONT'D

Installation for the MAC OS: The following operation is required for both OS 8.6 and OS 9.x.

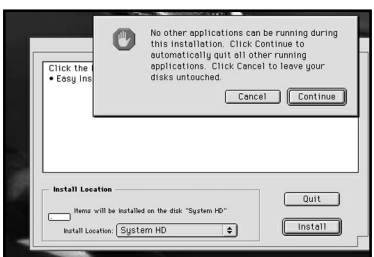
1 **Select appropriate driver for your operating system.**
2 **Double click icon for installation**

3 When "Welcome" dialog box appers, click [Continue..]

CONNECTING TO THE PERSONAL COMPUTER–CONT'D



4 Click the install button to install.



5 Read the warning message, then click the continue button. If you want to leave the installation, please click cancel to leave.

6 Install was successful.

7 Click the restart button to restart your system (suggested) or click continue if you wish to use this TWAIN driver immediately.

CAUTIONS WHEN CONNECTING TO THE PC

While the camera is connected to the computer or transferring the image data between the camera and the computer, do not perform the operations listed below. Otherwise, an error may occur, the camera and the computer may not function correctly, or the image data recorded in the CF card may be erased or damaged.

- Turn off the power of the camera
- Disconnect the USB cable
- Rotate the function dial
- Remove or insert the CF card

On Windows 2000 and XP, the data transfer is not actually completed due to the writing delay, even when the display on the computer shows that copying is finished. As the data is transferred for a while even after the copying message disappears, do not turn off the power of the camera, disconnect the USB cable or rotate the function dial during this time. Otherwise, an error may occur and the camera and the computer not function correctly.

When the camera is connected to the computer and you are using the AC adapter, the time for the auto power off function is automatically fixed at 30 minutes, regardless of the settings in the SETUP mode (see page 113). When using batteries, the camera will still power off according to the settings in the SETUP mode.

CAUTIONS WHEN CONNECTING TO THE PC

When connecting the camera to the computer and transferring the image data between them, be sure to check that the battery capacity is full. If the battery power is low, the power of the camera may be turned off while transferring data. If this happens, an error may occur, the camera and the computer may not function correctly, or the image data recorded in the CF card may be erased or damaged.

When the camera is connected to the computer, we recommend you to use new batteries with a full power capacity or the DC adapter.

INSTALLING ADOBE PHOTOSHOP 5.0 LIMITED EDITION

To use Adobe Photoshop 5.0 Limited Edition,the following system requirements must be met.

For the IBM-PC/AT and the compatible unit

CPU	Intel Pentium II processor of 233 MHz or more, or a computer equipped with a fully compatible processor.
OS	Windows®95, Windows®98 Windows2000. Windows® NT 4.0 (Service Pack 5)
Memory	16 MB or more of built-in memory (For Windows® NT, 32 MB or more of built-in memory).
Hard disk space	110 MB or more of available hard disk space.
Monitor	Resolution 800 x 600, color monitor for 16-bit color video display
CD-ROM drive	Necessary (when installing and using the software).

For Apple Macintosh

CPU	68040 or later processor or better, or Macintosh or Power Macintosh
OS	Mac OS 8.6, OS9
Memory	32MB RAM or higher
Hard disk space	110 MB or more of available hard disk space.
Monitor	A color monitor capable of displaying 256 colors
CD-ROM drive	Necessary (when installing and using the software).

INSTALLING ADOBE PHOTOSHOP 5.0 LIMITED EDITION

Installing to the IBM-PC/AT and compatible unit

1. Turn on the computer and start up Windows® .
2. Write down the serial number printed on the CD as it will be needed later in the installation. Insert the Adobe Photoshop 5.0 Limited Edition CD-ROM into the CD-ROM drive.
3. Select "Start“ → "Run" and then type:

   D:\ENGLISH\PHOTOSLE\SETUP.EXE

   in the "Open“ box. (D is the drive letter of your CD-ROM drive. The letter may vary from PC to PC.)
4. Click on the OK button.
5. Follow the on-screen instructions to complete the setup.

Installing to the Apple Macintosh

1. Turn on the computer and start up Mac OS.
2. Insert the software CD-ROM into the CD-ROM drive.
3. When the icon of the software CD-ROM is displayed on the desktop, double-click its icon.
4. Double-click "English" folder to open it. Then double click the Adobe Photoshop 5.0 LE folder.
5. Double-click the installer icon.

   After that, follow the directions displayed on the screen.

APPENDIX

WATCHING THE CAPTURED IMAGES ON TV

WATCHING THE CAPTURED IMAGES ON TV

By connecting this camera to your TV with the supplied video cable, you can watch the captured images on TV.

1 Confirm that the video out signal from the video-out terminal is set to NTSC or PAL according to the color system in your country. (see page 124).

2 Turn off the power of the camera and TV.

3 Open the terminal cover on the left side of the camera and connect the mini plug of the supplied video cable to the video-out terminal of the camera.

- The LCD monitor is turned off.

4 Connect the other side of the video cable to the video input terminal on TV.

5 Turn on the power of TV.

6 Rotate the function dial to▶

7 Slide the power switch to turn on the camera.

8 Switch the video input of TV according to the terminal to which the video cable is connected.

- The images recorded in the CF card can be displayed both on the LCD monitor and TV.

9 You can view the images in the play modes discussed earlier in this manual.

- The images can be played back in the slide show mode (see page 82) , etc.

TROUBLESHOOTING

If you have any trouble with this camera, check the following items. Should the difficulty persist, contact the Medion Technical Support number.

Problem	Check	Solution	Page
The focus cannot be adjusted in the autofocus mode. The focus lamp (green) blinks quickly (about 8 times in a second) when the shutter-release button is pressed part-way down.	Did you attempt to adjust the focus on the subject, which is difficult to focus in the autofocus mode?	Take a picture with the focus lock function or in the manual focus mode.	37 38
	Did you attempt to take a picture when the subject is closer than the minimum focus distance (40 cm), or farther than 40 cm in the close up mode?	Take a picture when the subject is farther than 40 cm, or when the subject is within the distance from 4 cm to 40 cm (is not more than 40 cm from the camera) in the close mode.	35
The shutter-release button is not released.	Is the power to the camera turned off?	Rotate the function dial to 📷 and slide the power switch to turn on the camera.	31
	Is the camera set to another mode except the recording mode?		
	Is the focus lamp (green) blinking slowly (about 2 times in a second) and "Recording" displayed on the LCD monitor?	The image is recorded in the CF card. Wait until the recording is completed and the focus lamp (green) and "Recording" goes away.	32

TROUBLESHOOTING– CONT'D

Problem	Check	Solution	Page
The shutter-release button is not released.	Is "CARD FULL" displayed on the LCD monitor?	The CF card is full. Delete unwanted images or transfer the image data to the computer and then delete all images, or use another CF card, which has free memory space.	88 91
The live view is not displayed on the LCD monitor.	Is the power of the camera turned off?	Rotate the function dial to 📷 and slide the power switch to turn on the camera.	31
	Are the batteries exhausted?	Replace all four batteries or use the AC adapte.	26 27
	Are the batteries inserted with the correct polarity?	Remove the batteries and then insert the batteries by following the +/- diagram indicated in front of the battery-chamber door.	25
	Is the LCD monitor turned off?	Press the display button to turn on the monitor.	33
	The auto power off function activates.	Slide the power switch to turn on the camera again.	26

TROUBLESHOOTING– CONT'D

Problem	Check	Solution	Page
The image cannot be played back on the LCD monitor.	Is the power of the camera turned off?	Rotate the function dial to ▶ and slide the power switch to turn on the camera.	75
	Are the batteries exhausted?	Replace all four batteries or use the AC adapter (sold separately).	23 26
	Are the batteries inserted with the correct polarity?	Remove the batteries and then insert the batteries by following the +/- diagram indicated in front of the battery-chamber door.	23
	Is the CF card inserted in the camera? (Is "NO CARD" displayed on the LCD monitor?)	When "NO CARD" is displayed on the LCD monitor and "CF" is displayed on the data panel, the CF card is not set. Insert the CF card.	27
	The auto power off function activates.	Slide the power switch to turn on the camera again.	26
	Is the focus lamp (green) blinking slowly (about 2 times a second) and "PLAY BACK" blinks on the LCD monitor?	The camera reads out the image data from the CF card. Wait until the reading is completed and the focus lamp and "PLAY BACK" stop blinking.	15
The image recorded in the flash mode is dark.	Did you take a picture within the flash range?	Take a picture within the flash range (0.4 to 3 m) .	40

TROUBLESHOOTING– CONT'D

Problem	Check	Solution	Page
The zoom play cannot be performed.	Did you take a picture with the digital zoom function?	The picture captured with the digital zoom function cannot be played back in the zoom play mode.	50 80
The image is too dark or bright.	Is the exposure compensation value specified?	Specify 0 for the exposure compensation value.	55
Even when the lens comes out, the data panel is turned off and the camera can not function.	Has the battery-condition indicator blinked (all the indicators disappeared after 5 seconds) ?	If the battery-condition indicator blinks, all the indicators will disappear after 5 seconds while the lens is protruding.	25
The recorded image file is damaged.	Did you remove the CF card when the image data was recorded in or read out from the CF card?	The data is being recorded in or read out from the CF card while the focus lamp (green) blinks slowly (about 2 times in a second). Do not remove the CF card from the camera.	32
The camera does not function correctly due to the strong static electricity, etc.	Remove the batteries and insert them again. When using the AC adapter (sold separately), disconnect the plug of the AC adapter from the AC outlet and then connect it again. After that, turn on the power of the camera. * If the power of the camera cannot be turned off correctly, the CF card may be damaged. In this case, transfer the image data in the CF card to the computer and then format the CF card.		-

NOTES ON THE HANDLING

Batteries

- Battery performance decreases with lower operating temperatures. In a cold place, we recommend you prepare new batteries and keep the spare batteries in a warm place such as inside your coat.
  As the performance of Ni-MH battery less affected, we recommend you use the Ni-MH battery in a cold place. Even if the battery performance decreases due to a cold environment, the battery can recover its power when the battery warms up.
- Remove the batteries when they are not in use for an extended period. Battery leakage may damage the battery-chamber.
- Occasionally, when using alkaline batteries, the battery-condition indicator shows that the battery power is low even if there is enough power capacity.
  Continue to use the camera. The low-battery symbol will disappear.
- The batteries heat up while the camera is in use, be careful when removing or replacing the batteries. Turn off the power of the camera and allow the batteries to cool down.

NOTES ON THE HANDLING – CONT'D

LCD Monitor Care

- The LCD monitor is manufactured using high precision technology. However, occasionally there may be a lack of color or bright points on the LCD monitor.
- Do not apply pressure on the surface of the LCD monitor. Permanent damage may occur.
- In a cold environment, the LCD monitor may be temporarily dark. When the camera warms up, normal display will be restored.
- The LCD monitor may be slow to react in low temperatures or may be dark in a hot environment. When the camera warms up, normal display will be restored.
- If there are fingerprints on the LCD monitor surface, gently wipe it with a soft, clean, dry cloth.

Copyright

- TV programs, films, video tapes, and other materials may be copy righted. Unauthorized recording of such materials may be contrary to the provision of the copyright laws. And in some performance and exhibition, etc. taking picture are prohibited. The image which has a copyright cannot be used except for the use within the copyright laws.

DPOF

- If the CF card insterted in this camera includes the DPOF data from another camera, the DPOF data will be cancelled.
- Even if you insert the CF card including the data recorded with other digital camera supporting the DCF format, the DPOF data for the images captured with other digital camera (the images in the folder made by other digital camera supporting the DCF format) cannot be specified in this camera.

NOTES ON THE HANDLING – CONT'D

Operating Temperatures and Conditions

- This camera has been designed for use in temperatures from 0ºC to 40ºC (32ºF to 104ºF).
- Never leave the camera exposed to extreme high temperatures, such as in a car parked in the sun, or to extreme humidity.
- To prevent condensation from forming, place the camera in a sealed, plastic bag when bringing it from a cold place to a warm place. Allow it to come to room temperature before removing it from the bag.

Safety and Handling of the CF card

- Read and follow the instruction manual supplied with the CF card.
- The following may cause data loss or damage. We have no responsibility for it. We recommend you backup data in other media such as ZIP disc, hard disk, CD-ROM, etc.
  1 Improper use of card.
  2 Static electrical discharge near card or electric noise.
  3 Removing the card or interrupting power supply while camera or equipment is accessing the card (reading, writing, formatting etc.)
  4 Non-use of card for an extended period.
  5 Using the card over its life.
- When the card is formatted, the recorded data is deleted. Be sure to create a backup copy if it is necessary.
- The storage capability of the CF card will diminish with extended use. In this case, buy a new card.
- Keep away from static electricity and electric noise.
- Do not bend, drop, or subject the card to impact.
- Strong static electricity or shock may damage the card so that recording or writing in the card cannot be performed. In this case, buy a new card.
- Do not touch the electrical contacts of the card with your fingers or a metal object.
- Keep away from heat, moisture, and direct sunlight.
- Keep away from small children.
- When not in use, return the card to its protective case.

NOTES ON THE HANDLING – CONT'D

Others

- Do not subject the camera to shock or impact.
- Turn off the power of the camera when transporting.
- This camera is neither waterproof nor splashproof.
  Inserting or removing batteries and the CF card, or operating the camera with wet hands may damage the camera.
  When using the camera at the beach or near water, take care not to drop water or sand on the camera. If water, sand, dust or salt content accumulates on the camera, it may cause malfunction.
- Do not leave the camera under direct sunlight. Do not point the lens at direct sunlight. Doing so, may damage the CCD .

CARE AND STORAGE

Cleaning

- If the camera or the outside of the lens is dirty, gently wipe it with a soft, clean, dry cloth. If the camera or lens comes in contact with sand, gently blow away loose particles. Wiping may scratch the surface.
- To clean the lens surface, first blow away any dust or sand, then, if necessary, moisten a lens tissue or soft cloth with lens cleaning fluid and gently wipe the lens.
- Never use organic solvents to clean the camera.
- Never touch the lens surface with your fingers.

Storage

- Store in cool, dry and well-ventilated place away from dust and chemicals.
  If storing for very long periods, place the camera in an airtight container with a silica gel drying agent.
- Remove the batteries or the CF card from the camera when not in use for an extended period.
- Do not store the camera in a closet with mothballs.
- We recommend you press the shutter-release button sometimes during the storage period. Also, check the camera's operation to make sure it is functioning properly before using.

Before Important Events such as a Wedding Ceremony, Overseas Travel

- We recommend you to check the camera's operation beforehand or take test pictures, and to prepare spare batteries.
- Medion has no responsibility for damages incurred by equipment malfunction.

Questions and Service

- If you have questions about your camera, contact your local camera dealer, write to the Medion distributor in your area or call Customer Service at **866-MEDION0** (866-633-4660).
- Before shipping your camera for repair, please call Medion Customer Service for details.

TECHNICAL DETAILS

Camera Type

Removable recording media type digital camera with LCD monitor, built-in flash

CCD

Pickup elements: 1/1.75 inch-type inter line CCD, 4133856 pixels, with a base color filter

Pickup system: single

ISO sensitivity: Equivalent to ISO 100

Number of bit converted to A/D: 10 bit

Lens Unit

Focal length: 8 to 24 mm (38 to 114 mm in the 35 mm film format equivalent)

Aperture: F 3.4 to 3.6

Construction: 9 elements in 6 groups including 3 aspheric surfaces

Focusing range: 40 cm to infinity (The close up mode: 4 cm to 40 cm)

Digital zoom: maximum zoom in the telephoto mode X2

Image Storage

Recording medium: CF card (Type 1)

Image file format: Exit 2.1 (JPEG), DCF standards, DPOF 1.0

Number of pixels (W x H): 2272X1704 pixels (Full size) 1600X1200 pixels (Half size)

Storage capacity (Using a 8 M B CF card) :

	2272X1704 size	1600X1200 size	VGA
FINE	approx. 3 images	approx. 7 images	48
STD.(Standard)	approx. 6 images	approx. 13 images	91
ECOn.(Econmy)	approx. 15 images	approx. 32 images	155

The number of images to be recorded varies depending on the subject.

Other: Delete function (Single image. All images) Format function for the CF Card

TECHNICAL DETAILS – CONT'D

Autofocus

System: AF system by CCD
Focus locked when the shutter-release button is pressed halfway.

Focus mode : One shot AF

Manual Focus : Avaliable (operated with ◄ , ► , ▲ and ▼ keys.)

Auto Exposure (AE) Control

Exposure mode : Programmed AE
AE Locked when the shutter-release button is pressed halfway.

Metering : Center weighted TTL metering

Shutter: CCD electrical shutter (with a Mechanical shutter)
Shutter speed:1/500 sec. to 1sec.

Exposure compensation: ± 2EV in 0.5EV increments

White balance : Automatic, Manual setting available(outdoors,tungsten,fluorescent)

LCD Monitor

Type : 46mm (1.8-inch) TFT-LCD module

Pixels : Approx.60,000

Bright level : 9 steps

Language display : English

Display : Single frame display, index display (9 frames), slide show, magnification display,
(the zoom play, X2, changing magnification area available)

Viewfinder

Type : Real image zoom finder

Field of view (3 m) : Approx. 80%

Eye-relief : 14 mm

Magnification : X 0.35 to X 1.0

TECHNICAL DETAILS – CONT'D

Drive Mode

Mode: Single shot, continuous shot(approx.1 frame / sec.), self-timer shot

The recordable number of image:

	Full size	Half size
FINE	Approx. 2 frames	Approx. 6 frames
STD.(Standard)	Approx. 4 frames	Approx. 12 frames
ECON.(Economy)	Approx. 8 frames	Approx. 12 frames

Self-timer: Approx. 10 second delayed release

Built-in Flash

Charge time: Approx. 8 second at fill flash

Flash modes: Autoflash, Fill-flash,Flash cancel, Autoflash with red-eye reduction,Fill-flash with (Flash cancel in the close up mode),night mode.

Flash intensity control: Adjusted automatically by an external light

Interface

Video output: Composite video signal,switchable between NTSC and PAL

PC interface: USB port

Power Supply

Batteries: AA-sized alkaline battery x 4 or AA+sized Ni-MH battery x 4(AA-sized lithium battery is not available.)

External power: DC adapter (a DC terminal is provided on the camera body.)

Operating temperature: 0 to 40ºC (32 to 104ºF)

Dimensions Weight

Dimensions(WxHxD): 116x73x62mm(4.57x2.87x2.44 inches)(not including the projecting parts)

Weight: Approx.280g(9.88 oz.)(without batteries and the CF card)

Specifications are based on the latest information available at the time of printing and are subject to change without notice.

MEDION